ERICSSON 💋 ¥E)

# **MAINTENANCE MANUAL ORION**<sup>TM</sup> 800 MHz SYNTHESIZER/RECEIVER/EXCITER BOARD **B19/CMN-358**

TABLE OF CONTENTS	
	<u>Page</u>
DESCRIPTION	Front Cover
Frequency Synthesizer	1
Receiver	1
9-Volt Regulator	3
Exciter	3
IC DATA	4
PARTS LIST	5
Synthesizer	5
Receiver/Exciter	7
OUTLINE DIAGRAM	8
SCHEMATIC DIAGRAM	
Synthesizer	9
Receiver/Exciter	10

# DESCRIPTION

The **ORION**<sup>TM</sup> Synthesizer/Receiver/Exciter board provides, on one printed circuit board, circuits for the synthesizer, receiver and transmit exciter. The synthesizer/exciter circuit generates transmit frequencies for two ranges, which are 806-825 MHz and 851-870 MHz. The synthesizer circuit also generates receiver frequencies, 384.4-393.9 MHz. These frequencies are doubled to 768.8-787.8 MHz needed for first mixer injection by stages subsequent to the RX VCO.

The FM dual-conversion, super-heterodyne receiver is designed for operation in the 806-825 MHz and 851-870 frequency ranges. A regulated 9.0 volts is provided to all receiver stages except the audio PA IC, which operates from the switched A+ supply.

The receive circuit has Intermediate Frequencies (IF's) of 82.2 MHz and 455 kHz. Adjacent channel selectivity is obtained by using band-pass filters, an 82.2 MHz crystal filter and a 455 kHz ceramic filter.

The receive circuit, except for the synthesizer circuit consists of:

- Front End and Mixer
- 82.2 MHz First IF, 455 kHz Second IF and FM Detector
- Audio Signal Processor (ASP), includes Squelch
- Audio PA

The receiver RF Front End and First Mixer circuit is on the Receive/Exciter/Synthesizer board. The 82.2 MHz first IF, FM Detector, Audio Signal Processor (ASP) and Audio PA circuits are on the System Control Logic/IF/Audio board. (Refer to Maintenance Manual LBI-39072).



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## **CIRCUIT ANALYSIS**

#### **FREQUENCY SYNTHESIZER**

The frequency synthesizer receives **SYNTH CLOCK**, **SYNTH DATA** and control information from the microcomputer and from this generates the transmit and receive RF frequencies (refer to Figure 1). The synthesizer also provides frequency-lock status to the microcomputer. The synthesizer consists of synthesizer chip IC201, low and high current buffers, loop filters, transmit and receiver Voltage Controlled Oscillators (VCO's), feedback amplifier, the dual-modulus prescaler and the reference oscillator. The VCO's are locked to the reference oscillator by a single direct-divide synthesis loop consisting of the feed back buffer, prescaler, and synthesizer. The transmit VCO operates over a frequency range of 403.0 MHz to 412.5 MHz and 425.5 MHz to 435.0 MHz. The receiver VCO operates over a range of 384.5 to 393.9 MHz.

#### **Reference Oscillator**

The reference oscillator consists of a 1.5 PPM Temperature Compensated X(crystal) Oscillator (TCXO). The standard reference oscillator frequency is 12.8 MHz.

The TCXO is enclosed in an RF shielded can. Access to the oscillator trimmer is made through the hole in the top of the can. The TCXO is compensated by an internal temperature-compensated circuit for both low and high temperatures. With no additional compensation, the oscillators will provide 1.5 PPM stability from -30-degrees Centigrade to +60-degrees Centigrade.

#### **Synthesizer**

Synthesizer IC201 contains a programmable reference oscillator divider ( $\div$ **R**), phase detector and programmable VCO dividers ( $\div$ **N**,  $\div$ **A**). The reference frequency, 12.8 MHz, from the reference oscillator, is divided by a fixed integer number to obtain a 6.25 kHz or a 5 kHz channel reference for the synthesizer. This divide value can be changed by PROM programming. The internal phase detector compares the output of the reference divider with the output of the internal **N**, **A** counter. The **N**, **A** counter receives as an input the VCO frequency divided by the dual-modulus prescaler and programmed by the microcomputer. This comparison results in a ±error voltage when the phases differ and a constant output voltage, when the phase-detector inputs compare in frequency and phase.

If a phase error is detected, an error voltage is developed and applied to the VCO DC offset buffer, high current buffers and loop filter to reset the VCO frequency. The count of the  $\div$ **N**,  $\div$ **A** counters is controlled by the frequency data received on the **SYNTH CLOCK** and **SYNTH DATA** lines from the microcomputer. When a different channel is selected, or when

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changing to the transmit or receive mode, an error voltage is generated and appears at the phase-detector output, **APD OUT**, causing the **Phase-Lock-Loop** (**PLL**) to acquire the new frequency.

The **SYNTH ENABLE** pulse from the microcomputer enables the synthesizer and allows frequency data to be internally stored.

## <u>Equalizer</u>

The equalizer circuit consists of operational amplifier IC203-A, resistors R205 and R207 and capacitor C205. This circuit receives transmit audio from Loop Modulation Adjust RV201. The output of the equalizer is summed with the output signal from the Phase Detector or by adder operational amplifier IC203-B.

#### DC Offset And High Current Buffers

DC offset buffer transistors TR201 and TR202 and diode CD202-A receive the error voltage from the synthesizer and increase the level of this error voltage by 1.8 Vdc. This extends the operating range of the high-current buffers. When the PLL is off-frequency due to a channel change or frequency drift, the error voltage from the synthesizer (APD) rises or falls, turning TR201 either on or off. This transistor (TR201) controls the DC offset buffer transistor TR202. Resistor R124, diode CD202-A and transistor TR202 complete a high-current rapid charge or discharge path for capacitors C210-C212. As the error voltage decreases, TR201, TR202 and CD202-A turn on, completing a discharge path for C210 to C212. When the error voltage goes positive, TR201, TR202 and CD212 are turned off allowing C210 - C212 to charge through R214.

When a channel is changed in receive and when changing from transmit to receive, bilateral switches IC204-C, E, B and D are turned on for 4 milliseconds. When changing from receive to transmit, IC204-C, E, B and D are turned on for 10 milliseconds.

#### Loop Filter

The loop-filter consists of resistors R216 through R218 and capacitors C210 through C212. This filter controls the bandwidth and stability of the synthesizer loop. Bilateral switch IC204 is controlled by 9-Volt SYNTH BANDWIDTH pulse. When the SYNTH BANDWIDTH pulse is present, the bilateral switch shorts out the low-pass filter, greatly increasing the loop bandwidth to achieve the 4-millisecond channel acquisition time required for dual priority scan. The low-pass filter removes noise and other extraneous signals internal to the synthesizer chips. The output of the filter is applied to the varicaps in the transmit and receive VCO's to adjust and maintain the VCO frequency.

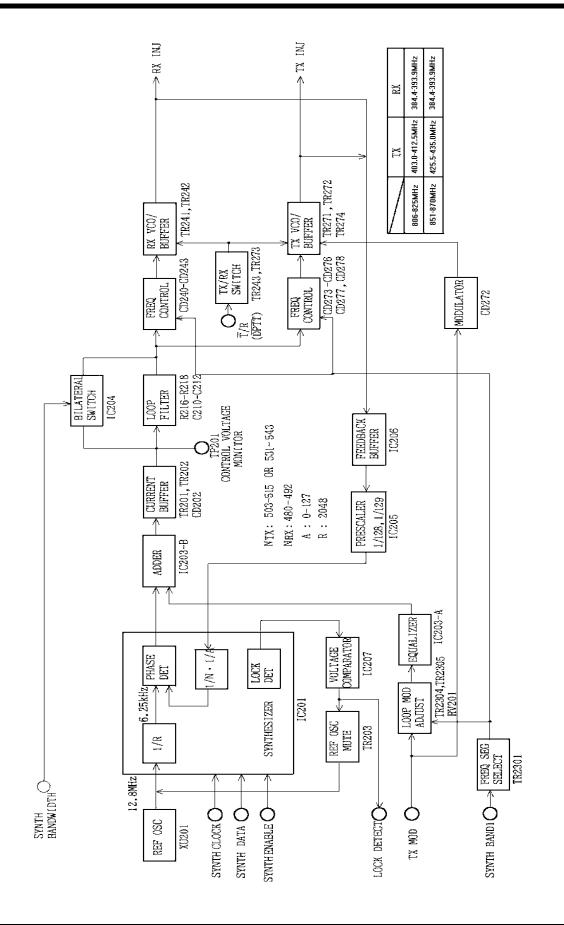


Figure 1 - Synthesizer Block Diagram

The use of two VCO's allows rapid independent selection of transmit and receive frequencies across the frequency split.

## **Receiver Voltage Controlled Oscillator**

The receiver VCO consists of low-noise, silicon, JFET oscillator transistor, TR241, followed by high-gain buffer transistor TR242. Transistor TR242 prevents external loading and provides power gain. The VCO is a Collpoitts oscillator circuit with the various varactors, capacitors and a high-Q resonator coil forming the tank circuit.

The VCO is switched ON and Off under the control of the **T/R** line. When the **T/R** line is high the Receive VCO is turned on (Transistor TR243 is on). Oscillator output is typically 0 dBm. The output is applied to the feedback buffer for VCO frequency control and as the receive injection frequency to the receiver first mixer through Local Oscillator buffers on the receive board. The receive VCO also uses a high-Q resonator to achieve superior noise performance. The VCO operates over a frequency range of 384.4-393.9 MHz. The VCO voltage need only be set once at the highest frequency of the band split, after which it will operate over the entire split with no more tuning.

#### **Transmit Voltage Controlled Oscillator**

The transmit VCO is basically the same as the receive VCO, except it operates at 403-412.5 MHz or 425.5-435 MHz, depending on the board segment selected. The varactors in conjunction with the frequency segment selector (transistor TR2301 and bandswitching diodes CD277 and CD278) provide a voltage-controlled adjustment range that extends across the entire frequency split. VCO control switch TR273 turns the transmit VCO on when/R line is low. The TX frequencies are then doubled in the exciter to 806-825 and 851-870 MHz.

#### **Feedback Buffer**

The buffered output of the receive VCO and transmit VCO from buffer transistors TR242 and TR247 respectively. are supplied to the feedback buffer IC206. The buffered VCO output also provides receive or transmit injection drive.

#### **Dual Modulus Prescaler**

The dual Modulus prescaler completes the PLL feedback path from the synthesizer to loop-filter, to the VCO's and feedback buffers and then back to the synthesizer through the prescaler. The prescaler divides the VCO frequency by 128 or 129 under control of M CONT from the synthesizer.

The output of the prescaler is applied to the synthesizer where it is divided down to 6.25 kHz by an internal  $\div N$ ,  $\div A$ counter and compared in frequency and phase with the divided-down frequency from the reference oscillator. The result of this comparison is the error voltage used to maintain frequency lock. The  $\div$ N,  $\div$ A counter is controlled by data received from the microcomputer. Depending on the operating frequency, the DC voltage at TP201 should be within the range 3.5 to 7.5 Vdc when the PLL is locked.

## Lock Detect

The lock detect circuit consists of comparator IC207, diodes CD204 and CD205 and reference oscillator mute switch transistor TR203. It is used to quickly synchronize the phase relation of the divided-down VCO frequency and the reference oscillator if the loop loses lock. It also provides a fast lock detect signal to the microcomputer to turn to the out-of-lock indicator. If a large change in frequency is required, the ramp capacitor output (C) of the synthesizer may increase positive Lock Detect (LD) line from the synthesizer. Thus, transistor TR203 disables the reference oscillator and allows the PLL to be brought back to synchronization rapidly.

If a large error exists, the LD positive lead from the synthesizer will carry negative spikes to the microcomputer. Transistor TR203 is turned on, preventing reference oscillator muting.

## **Loop Modulation Adjust**

The loop modulation adjustment circuit automatically sets the loop modulation level applied to the equalizer IC202 and IC203 through loop modulation adjust RV201. The loop modulation adjust modulation circuits consists of transistors TR2304, and TR2305 and resistors R238, R2001, R2005 and RV201. The loop modulation level is controlled by turning transistor switch TR230 on or off to include attenuators R238, R2001 and R2005 in the circuit. Resistors R238, R2001 and R2005 form an adjustable voltage divider to change the loop modulation level as required. Table 1 also identifies the resistor (if applicable) used for each frequency segment.

#### **Frequency Segment Selector**

The frequency-segment selector switches capacitance in and out of the transmit and receive VCO tank circuits to select the frequency segment containing the selected channel. The frequency segment selector consists of transistor TR2301, and diodes CD277 and CD278 and operates under control of the microcomputer. Capacitors C289, C292 and C2710 are selected or deselected for operation in a given segment. Table 2 identifies the circuit conditions existing for selection of each segment and the capacitor used.

Reverse bias to turn off the band switching diodes are provided by the +8 Volts filtered supply through resistor R2303. Forward bias for the diodes and current for the switching transistors is provided by the +8 Volts supply through resistors R2301 and R2302. When segment 1 is selected, transistor TR2301 is turned on. In the transmit VCO diodes CD277 and CD278 are turned on. Capacitors C289 and C2710 are connected to ground by CD277 and CD278.

#### **Table 1 - Frequency Segment Selection**

Segment	Frequency Split (MHz)	Synth Band 1 (Input TR2301)	Grounded Modulation Resistor
1	806-825	1	R238
2	851-870	0	R2005

## **Table 2- Capacitor Selection**

Segment	Frequency Switch TR2301	Band Switching Diodes CD277, CD278	Grounded Capacitors
1	1	ON	C289, C2710
2	0	OFF	None

## **RECEIVE CIRCUIT**

## **Receiver Front End**

The RF signal from the antenna is coupled through the low-pass filter, antenna switch and dielectric band-pass filter FL401 to the input of RF amplifier transistor TR401 (refer to Figure 2). The output of TR401 is coupled through dielectric band-pass filter FL402 and capacitor C411 to the input of the first mixer circuit at Z421. Receive Front End selectivity is provided by dielectric band pass filters FL401 and FL402.

## **Receiver Injection**

Receiver RF injection (384.4 - 393.9 MHz) from the synthesizer VCO is applied to DOUBLER transistor TR461. The input level of TR461 is between 0.5 and 1.0 milliwatts. The output of TR461 is coupled to the input of amplifier transistor TR462. The output of amplifier TR462 is filtered by dielectric filter FL403. This filter is tuned to pass frequency in the 768.8-787.8 MHz pass band. The output of FL403 is coupled through capacitor C422 to the input of the first mixer circuit at Z421.

## 1st Mixer

RF from the receive front-end and injection frequency/voltage from the multiplier stage are mixed together at Z421. This mixture of RF and Injection frequencies is applied through capacitor C420 to the base of transistor TR421. Transistor TR421 provides high power gain for the mixer stage. The difference between the RF and the injection frequency produces an 82.2 MHz first IF output on the collector of TR421. The 82.2 MHz first IF output signal is coupled from the collector of TR421 through an impedance matching network consisting of Z422, capacitor C424, resistor R425, inductor L401, capacitor C430 and an attenuator pad consisting of resistors R428 through R430 to connector J501, Pin 1. Connector J501 connects to P501 located on the System Control Logic/IF/Audio Board CMF-138.

Circuit analysis for the receive circuit continues in Maintenance Manual LBI-39072. System Control Logic/IF/Audio Board, CMF-138. Maintenance Manual LBI-39072 continues with the 1st IF, 2nd Mixer and 2nd IF and Detector.

## 9-VOLT REGULATOR

The SWITCHED A+ supplied from J501, Pin 17 is regulated to +9 Vdc by regulator IC481 (3-terminal Regulator). The +9 volts regulated output on IC481, Pin 3 is applied to exciter transistors TR151 and TR153 through Tx power switch TR152.

plied.

The Exciter is energized by when the TX ENBL state is made low by the microprocessor, causing TR152 to conduct and apply the regulated +9 Volts to all exciter stages. A typical emitter voltage for TR151 is 1.5 volts.

## **EXCITER CIRCUIT**

The Exciter circuit consist of a multiplier circuit (doubler) and a wide-band amplifier stage operating over a frequency range of 403.0 to 412.5 MHz and 425.5 MHz to 435.5 MHz without any tuning (refer to Figure 3). The exciter amplifies the approximately 1.0 milliwatt signal from the synthesizer transmit VCO to provide 9 milliwatt (typical) drive to the RF power amplifier circuit.

tors.

When **TX ENBL** is high (receive mode), +9V is not ap-

The transmit injection input from the synthesizer transmit VCO is applied to the base circuit of doubler transistor TR151 through an attenuator pad consisting of resistors R152 thru R153. Supply voltage (+9 Vdc) from TR152 is applied to TR151 through a collector feed network consisting of resistor R168 and Z151. Capacitors C156 and C157 are bypass capaci-

The output of TR151 drives amplifier transistor TR153 The output of TR153 is coupled to FL151 band pass filthrough the impedance matching components consisting of ter at pass band 806-870 MHz through an attenuator pad capacitor C168, resistor R162 and the coupling capacitor consisting of resistors R164 through R166. The output of C158. Collector voltage +9 Vdc is applied to TR153 through FL151 is coupled to connector J151. Transistor TR153 amcollector the feed network consisting of resistor R167 and plifies the approximately 1 milliwatt input level to 9 milli-Z152. Capacitors C159 and C165 are bypass capacitors. watt (typical).

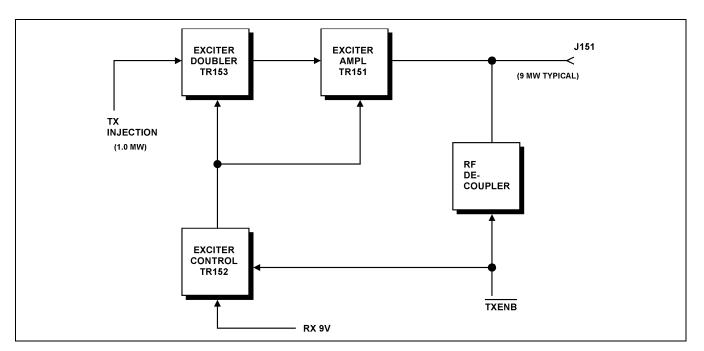


Figure 3 - Exciter Block Diagram

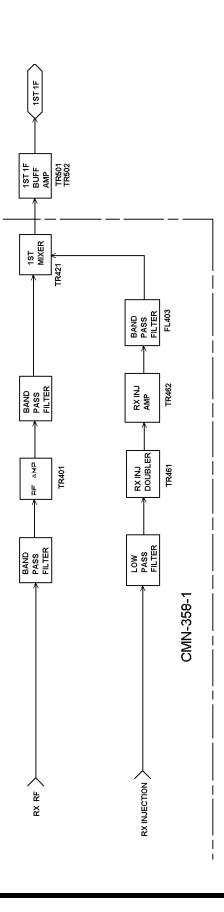


Figure 2 - Receiver Block Diagram

## LBI-39070

OUT 1

IN (-)

IN(+)1

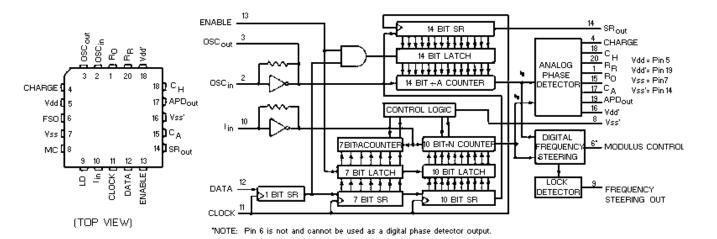
GND

E

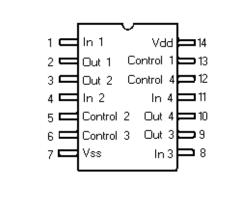
(TOP VIEW)

## IC DATA

## SYNTHESIZER IC201



## **BILATERAL SWITCH IC204**

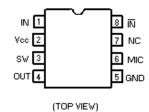




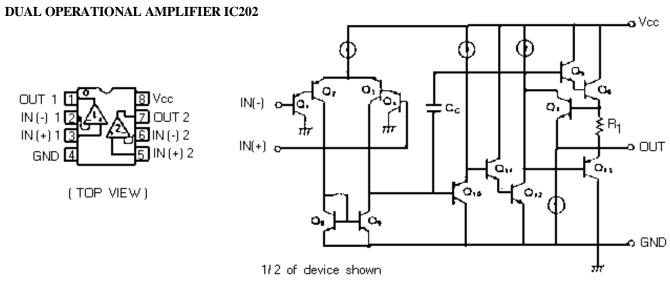
In/ Out

Control

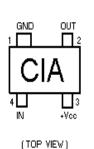
PRESCALER IC205

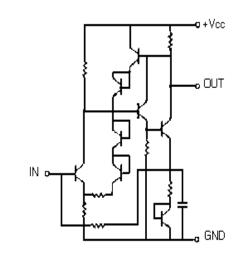


А C QE 티리 MIC-D QE D Е F D QB QE

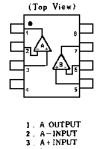


#### **RF WIDE BAND AMPLIFIER IC206**

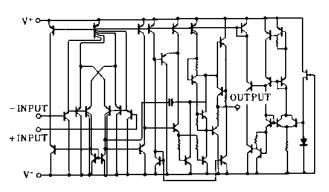




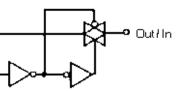
## **DUAL OPERATIONAL AMPLIFIER IC203**





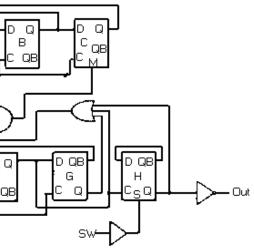






1/4 of device shown

Control .	Switch
0 = Vss	OFF
1= Vdd	ON



# PARTS LIST

#### SYNTHESIZER/RECEIVER/EXCITER BOARD SYNTHESIZER SECTION

## CMN-358-2

## Issue 1

NOTE: Parts listed are for reference only. Refer to Service Sections for serviceable parts.	CAPACITORS Ceramic: 0.047 μF ±10% 25 VDCW, temp coef ±15%. Ceramic: 470 pF ±5% 50 VDCW, temp coef +350-1000 PPM.
are for reference only. Refer to Service Sections for	coef $\pm 15\%$ . Ceramic: 470 pF $\pm 5\%$ 50 VDCW, temp
only. Refer to Service Sections for	Ceramic: 470 pF ±5% 50 VDCW, temp
serviceable parts.	
	Electrolytic: 220 $\mu$ F ±20% 10 VDCW. Ceramic: 0.047 $\mu$ F ±10% 25 VDCW, temp coef ±15%.
	Coel $\pm$ 13%. Ceramic: 0.01 µF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
	Polyester: 0.47 $\mu F$ ±5% 50 VDCW. Electrolytic: 47 $\mu F$ ±20% 16 VDCW.
	Polypropylene: 1 $\mu$ F ±10%. Ceramic: 0.047 $\mu$ F ±10% 25 VDCW, temp coef ±15%.
	Polypropylene: $0.1 \mu$ F5% 50 VDCW. Ceramic:1000 pF ±10% 50 VDCW, temp coef ±15%.
	Ceramic:1000 pF ±10% 50 VDCW, temp coef ±15%.
	Ceramic:1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
	Ceramic: 0.047 μF ±10% 25 VDCW, temp
	coef 0 $\pm$ 15%. Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
	0001 ± 10 %.
	Ceramic: 0.047 µF ±10% 25 VDCW, temp
	coef ±15%. Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±30 PPM.
	Coel 0±30 PPM. Ceramic: 680 pF ±5% 50 VDCW, temp coef 350-1000 PPM.
	Tantalum: 10 $\mu$ F ±20% 10 VDCW.
	Tantalum: 4.7 μF ±20% 16 VDCW.
	Polyester: 0.1 µF ±5% 50 VDCW.
	Electrolytic: 47 µF ±20% 16 VDCW.
	Ceramic:1000 pF ±10% 50 VDCW, temp
	coef ±15%.
	Electrolytic: 47 µF ±20% 16 VDCW.
	Ceramic:1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
	Electrolytic: $47 \mu\text{F} \pm 20\%$ 16 VDCW. Ceramic: 1000 pF ±10% 50 VDCW, temp coef ±15%.
	Ceramic: 7 pF ±0.5 pF 50 VDCW, temp coef 0±30 PPM.
	Ceramic: 6 pF $\pm$ 0.5 pF 50 VDCW, temp coef 0 $\pm$ 30 PPM.
	Ceramic: 4 pF ±0.25 pF 50 VDCW, temp coef -750±120 PPM.
	Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
	Ceramic: 15 pF $\pm$ 5% 50 VDCW, temp and
	Ceramic: 15 pF ±5% 50 VDCW, temp and coef 0±30 PPM.

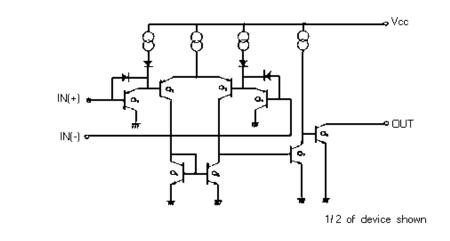
\*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES

#### **DUAL COMPARATOR IC207**

OUT 1 IN(-) 1

IN (+) 1 [

GND 🖪

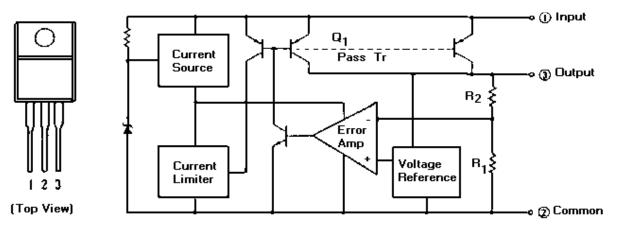


### **POSITIVE VOLTAGE REGULATOR IC230**

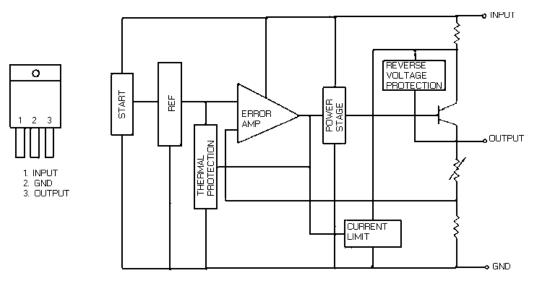
(TOP VIEW)

(-) 2

IN (+) 2



## POSITIVE VOLTAGE REGULATOR IC481



s	YMBOL	PART NUMBER	DESCRIPTION
F	0240		
	C249 and		Ceramic: 1000 pF ±10% 50 VDCW, temp coef±15%.
	C250		
	C251		Ceramic: 6 pF ±0.5 pF 50 VDCW, temp
	0252		coef 0±30 PPM . Ceramic: 1000 pF ±10% 50 VDCW, temp
	C252		coef $\pm 15\%$ .
	C253		Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
	C266		Ceramic: 5 pF ±0.25 pF 50 VDCW, temp
	and		coef 0±30 PPM.
	C267		
	C268		Ceramic: 1 pF ±0.25 pF 50 VDCW, temp coef 0±30 PPM.
	C269		Ceramic: 5 pF ±0.25 pF 50 VDCW, temp coef 0±30 PPM.
	C270		Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
	C271		Ceramic: 1 pF ±0.25 pF 50 VDCW, temp coef 0±30 PPM.
	C272		Ceramic: 2 pF ±0.25 pF 50 VDCW, temp coef 0±30 PPM.
	C273		Ceramic: 1000 pF ±10% 50 VDCW, temp
	and		coef ±15%.
	C274 C275		Ceramic: 7 pF ±0.5 pF 50 VDCW, temp
	0275		coef -750 $\pm$ 120 PPM.
	C276		Ceramic: 1 pF ±0.25 pF 50 VDCW, temp
	C278		coef 0±30 PPM. Ceramic: 8 pF ±0.5 pF 50 VDCW, temp
	C279		coef 0±30 PPM. Ceramic: 3 pF ±0.25 pF 50 VDCW, temp
	C280		coef -750120 PPM. Ceramic: 12 pF ±5% 50 VDCW, temp
	and C281		coef 0±30 PPM.
	C282		Ceramic: 1 pF ±0.25 pF 50 VDCW, temp coef 0±30 PPM.
	C283		Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp
	and C284		coef ±15%.
	C285		Ceramic: 6 pF $\pm$ 0.5 pF 50 VDCW, temp
			coef 0±30 PPM.
	C286 thru		Ceramic: 1000 pF ±10% 50 VDCW, temp coef ±15%.
	C288		
	C289		Ceramic: 4 pF ±0.25 pF 50 VDCW, temp coef 0±30 PPM
	C293		Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15 %.
	C298		Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15 %.
	C2001		Tantalum: $10 \mu\text{F} \pm 20\%$ 10 VDCW.
	C2101		Ceramic: 3 pF ±0.25 pF 50 VDCW, temp
	C2304		coef 0±30 PPM. Ceramic: 0.047 μF ±10% 25 VDCW, temp
	C2701		coef ±15%. Ceramic: 5 pF ±0.25 pF 50 VDCW, temp
	C2702		coef 0 $\pm$ 30 PPM. Ceramic: 6 pF $\pm$ 0.5 pF 50 VDCW, temp
	C2703		coef 0±30 PPM. Ceramic: 5 pF ±0.25 pF 50 VDCW, temp
	C2704		coef 0±30 PPM. Ceramic: 1 pF ±0.25 pF 50 VDCW, temp
	C2705		coef 0±30 PPM. Ceramic: 5 pF ±0.25 pF 50 VDCW, temp
	C2706		coef 0±30 PPM. Ceramic: 1000 pF ±10% 50 VDCW, temp
			coef ±15%.

## LBI-39070

## PARTS LIST

CD201         Zamer. 40 V; sime VHTACH HZM.9982         L273         Cole: Delectic resource: Cole: 0.4 PH ±10%.           CD202         Zamer. 40 V; sime VHTACH HZM.9982         L274         Cole: 0.6 (-0.4 PH ±10%.           CD203         Silicon: Tainercovery (2 docis in series);         L275         Cole: 0.6 (-0.4 PH ±10%.           CD204         Silicon: Tainercovery (2 docis in series);         L276         Cole: 0.6 (-0.4 PH ±10%.           CD204         Silicon: Tainercovery (2 docis with anode Cole: 0.6 (-0.4 PH ±10%.         Cole: 0.6 (-0.6 (-0.4 PH ±10%.           CD205         Silicon: Tainercovery (2 docis with anode Cole: 0.6 (-0.4 PH ±10%.         Cole: 0.6 (-0.6 (-0.6 (-0.4 PH ±10%.           CD204         Silicon: Tainercovery (2 docis in series); sim to TATACH HVUSS:         F201         Meal Sime: Tainercovery (2 docis in series); sim to FATACH HVUSS:         F202         Meal Sime: Tainercovery (2 docis in series); sim to FATACH HVUSS:         F202         Meal Sim: Tainercovery (2 docis in series); sim to FATACH HVUSS:         F203         Meal Sim: 756, 50 VDOW, V10W MEAL           CD277         Silicon: Schotty Barler Diode; sim to HTACH HVUSS:         F204         Meal Sim: 756, 50 VDOW, V10W MEAL         V10W Mat.           CD277         Silicon: Schotty Barler Diode; sim to HTACH HVUSS:         F205         Meal Sim: 726, 50 VDOW, V10W Mat.           CD278         Silicon: Schotty Barler Diode; sim to HTACH HVUSS:         F214	CD201         Zener: 4.0 V; sim to HTACH HZM3.9882         L273         Chole Col: 0.18 µH ±10%.           CD202         Silicor. fast accovery (2 diodes in series): Zen to 700 µM 1597.64 µH ±278.         L275         Chole Col: 0.18 µH ±10%.           CD204         Silicor. fast accovery (2 diodes in series): Jii no 10 SHBA 1552.84.         L279         Chole Col: 0.18 µH ±10%.           CD204         Silicor. fast accovery (2 diodes in series): Jii no 10 SHBA 1552.84.         L280         Col: RF 10 nH ±10%.           CD204         Silicor. fast accovery (2 diodes whanded Common); sim to TC3811 hS151.61.         R201         Meant III: 10 00 ms ±5%, 50 VDCW, 116 Watt.           CD204         Silicor. Variable Capacitance Diode; sim to THACH HVU305.         R201         Meant III: 10 00 ms ±5%, 50 VDCW, 116 Watt.           CD271         Silicor. Test accovery (2 diodes in series); sim to THACH HVU305.         R203         Meant III: 10 00 ms ±5%, 50 VDCW, 116 Watt.           CD272         Silicor. Test accovery (2 diodes in series); sim to THACH HVU305.         R204         Meant IIII: 10 00 ms ±5%, 50 VDCW, 116 Watt.           CD274         Silicor. Test accovery (2 diodes in series); sim to THACH HVU305.         R204         Meant IIII: 10 0K ohm ±5%, 50 VDCW, 116 Watt.           CD276         Silicor. Test accovery (2 diodes in series); silicor. Testaid Planer Diode: sim to HTACH HVU35.         R204         Meant IIII: 10 0K ohm ±5%, 50 VDCW, 116 Watt.           CD	SYMBOL	PART NUMBER	DESCRIPTION	SYMBOL	PART NUMBER	DESCRIPTION
C2021         Zorber 4.0 V.; sim to HITACHI HZMS.MB/BZ.         L274         Cholac Gal: 33 hf ±10%.           C2022         Silicon: TOSHBA 155226.         L276         Cholac Gal: 33 hf ±10%.           C2024         Zamer. 50. V.; sim to ITACHI HZMS.B.         L276         Cholac Gal: 33 hf ±10%.           C2024         Zamer. 50. V.; sim to ITACHI HZMS.B.         L276         Cholac Gal: 33 hf ±10%.           C2026         Silicon: V.; sim to ITACHI HZMS.B.         L281         Call RF 4.7 jH ±10%.           C2026         Silicon: Variable Cagestations Didde; sim to TOSHBA 155278.         R201         Metal Min: 100 km = 55%, 50 VDCW,           C0240         Silicon: Variable Cagestations Didde; sim to TANHBA 153278.         R201         Metal Min: 22 ohms ±5%, 100 VDCW,           C0247         Silicon: Variable Cagestations Didde; sim to FAA/SUNC MA153A.         R202         Metal Min: 22 ohms ±5%, 50 VDCW,           C0271         Silicon: Episaki Plane Didde; sim to HTACHI HVU351.         R206         Metal Min: 270 km ±5%, 50 VDCW,           C0276         Silicon: Episaki Plane Didde; sim to HTACHI HVU351.         R206         Metal Min: 100 km ±5%, 50 VDCW,           C0278         Silicon: Episaki Plane Didde; sim to HTACHI HVU351.         R207         Metal Min: 100 km ±5%, 50 VDCW,           C0278         Silicon: Episaki Plane Didde; sim to HTACHI HVU351.         R211         Meta	C2021         Zener. 40 V.; sim to HITACHI HZMS.9H8Z.         L274         Chole Cabl. 33 Hit ±10%.           C2022         Silicon: To SHBA HS226.         L276         Chole Cabl. 33 Hit ±10%.           C2023         Zener. 40 V.; sim to HITACHI HZMB.         L276         Chole Cabl. 33 Hit ±10%.           C2024         Zener. 40 V.; sim to HITACHI HZMB.         L278         Chole Cabl. 33 Hit ±10%.           C2025         Silicon: To SHBA HS226.         L281         Cabl. 41 Hit MCM.           C2024         Silicon: To SHBA HS226.         L281         Cabl. 41 Hit MCM.           C2024         Silicon: Schettly Barner Diode; sim to To SHBA HS256.         R201         Metal Him: 20 chons ±5%, 100 VDCW, 116 Watt.           C2024         Silicon: Schettly Barner Diode; sim to PANASONC MATSA.         R201         Metal Him: 20 chons ±5%, 100 VDCW, 116 Watt.           C2027         Silicon: Schettly Barner Diode; sim to PANASONC MATSA.         R205         Metal Him: 270 chons ±5%, 50 VDCW, 116 Watt.           C2027         Silicon: Schettly Barner Diode; sim to PANASONC MATSA.         R206         Metal Him: 470 chons ±5%, 50 VDCW, 116 Watt.           C2027         Silicon: Schettly Barner Diode; sim to PANASONC MATSA.         R206         Metal Him: 470 chons ±5%, 50 VDCW, 116 Watt.           C2027         Silicon: Schettly Barner Diode; sim to PANASONC MATSA.         R206         Metal Him:			DIODES	L272		Coil: Dielectric resonator.
C2021         Zener. 40.V.; sim bit HTACHI HZMS.9H82.         L274         Chobe Cabit. 33 Hit ±10%.           C2022         Silicot: TOSHBA HS228.         L276         Chobe Cabit. 33 Hit ±10%.           C2024         Zener. 50.V.; sim bit HTACHI HZMB.         L276         Chobe Cabit. 33 Hit ±10%.           C2024         Zener. 50.V.; sim bit HTACHI HZMB.         L278         Chobe Cabit. 33 Hit ±10%.           C2026         Silicot: TOSHBA HS228.         L281         Cabit. FF 4.7 µit ±10%.           C2026         Silicot: Variable Capetalone Dode: sim to TOSHBA HS518.         R201         Metal film: 100 HitACHI HZMS.           C0240         Silicot: Variable Capetalone Dode: sim to TASHBA HS228.         R201         Metal film: 50% toms ±5%, 50 VDCW, 110 Variable Capetalone Dode: sim to PANASONC MATSA.         R202         Metal film: 270 koms ±5%, 50 VDCW, 116 Watt.           C0247         Silicot: Startecovery Cadota in series): sim to PANASONC MATSA.         R203         Metal film: 270 koms ±5%, 50 VDCW, 116 Watt.           C0271         Silicot: Episalal Planer Dode: sim to HTACHI HVU251.         R206         Metal film: 270 koms ±5%, 50 VDCW, 116 Watt.           C0277         Silicot: Episalal Planer Dode: sim to R210         R211         Metal film: 200 koms ±5%, 50 VDCW, 116 Watt.           C0278         Silicot: Schrifty Barrier Diode: sim to R210         R211         Metal film: 200 koms ±5%, 50 VDCW, 116 Watt	C2021         Zener. 40 V.; sim to HTACHI HZMS MB22.         L274         Choke Cabit. 33 Hit ±10%.           C2022         Silicot: To SHBA SS226.         L276         Choke Cabit. 33 Hit ±10%.           C2023         Silicot: To SHBA SS226.         L276         Choke Cabit. 33 Hit ±10%.           C2024         Silicot: To SHBA SS226.         L278         Choke Cabit. 33 Hit ±10%.           C2025         Silicot: To SHBA SS226.         L281         Choke Cabit. 33 Hit ±10%.           C2024         Silicot: Yaleb Capacitations Didde: sim to To SHBA SS258.         Cabit. FF 4.7 µH ±10%.           C2040         Silicot: Schettly Bartine Didde: sim to To SHBA SS258.         R201         Meet film: 100 chose 55%, 50 VDCW.           thru         Silicot: Schettly Bartine Didde: sim to TA SHBA SS258.         R202         Meet film: 55% of thm ±5%, 50 VDCW.           C2024         Silicot: Schettly Bartine Didde: sim to TA SHBA SS258.         R203         Meet film: 270 chose 55%, 100 VDCW.           C2027         Silicot: Schettly Bartine Didde: sim to TA SHBA FM208.         R204         Meet film: 100 chose 55%, 50 VDCW.           C0278         Silicot: Schettly Bartine Didde: sim to R205         R206         Meet film: 270 chose 55%, 50 VDCW.           C0278         Silicot: Schettly Bartine Didde: sim to R210         R210         Meet film: 100 chom ±5%, 50 VDCW.           C10				L273		Choke Coil: 0.47 µH +10%.
C1202         Silicor: fast recovery (2 diodes in anels):         L276         Chola Colit 3.91+140%.           C1203         Zener: 3.0 V; sim b HTACH H2X8,         L279         Chola Colit 3.91+140%.           C1204         Silicor: Inst recovery (2 diodes in anels):         L280         Colit RP 4.71 pH 110%.           C1204         Silicor: Inst recovery (2 diodes in anels):         L281         Colit RP 4.71 pH 110%.           C1204         Silicor: Inst recovery (2 diodes in anels):         L281         Colit RP 4.71 pH 110%.           C1204         Silicor: Variable Capacitance Diode;         R201         Metal film: 10% chors :5%, 50 VDCW,           C1204         Silicor: Schotky Barrier Diode;         R203         Metal film: 20 chors :5%, 50 VDCW,           C12047         Silicor: Variable Capacitance Diode;         R203         Metal film: 10% chors :5%, 50 VDCW,           C1207         Silicor: Variable Capacitance Diode;         R203         Metal film: 20% chors :5%, 50 VDCW,           C1027         Silicor: Variable Capacitance Diode;         R204         Metal film: 20% chors :5%, 50 VDCW,           C1027         Silicor: Variable Capacitance Diode; sim to         R205         Metal film: 20% chors :5%, 50 VDCW,           C1027         Silicor: Schotky Barrier Diode; sim to         R214         Metal film: 20% chors :5%, 50 VDCW,           C102	C1202         Silton: fast recovery (2 adodes in serie); sin to TOSHBA 15524.         L276 L276         Cholac Coli: 0.18 µH +10%.           C1203         Zener: 3.0 V, sin to HITACH H2XB, Silton: fast recovery (2 adodes in serie); Silton: Variable Capacitance Diod; sim to THACH HV153.         R201         Metal film: 10% chore :556, 50 VDCW, V168 Watt.           C0247         Silton: Schotky Barrier Diod; sim to HTACH H15408.         R203         Metal film: 20 chore :556, 50 VDCW, V168 Watt.           C0247         Silton: Variable Capacitance Diod; sim to HTACH H15408.         R203         Metal film: 20 chore :556, 50 VDCW, V168 Watt.           C0247         Silton: Variable Capacitance Diod; sim to HTACH H15408.         R203         Metal film: 20 chore :556, 50 VDCW, V168 Watt.           C0273         Silton: Variable Capacitance Diod; sim to HTACH H15408.         R204         Metal film: 20 chore :556, 50 VDCW, V168 Watt.           C0274         Silton: Epstasia Planer Diod; sim to HTACH H308.         R205         Metal film: 20 chore :556, 50 VDCW, V168 Watt.           C0278         Silton: Epstasia Planer Diod; sim to HTACH H308.         R214         Metal film: 100 chore :556, 50 VDCW, V168 Watt.           C0278	CD201		Zener: 4.0 V; sim to HITACHI HZM3.9NB2.			
construction         construction         construction           constrelindistion         constreline         <	aim to TOSHBA 153228.         L270         Chola Cobi 03 and 1410%.           CD204         Zamera 30, sim to HTACH 147431.         L280         Coil RF 6 47 µH ±10%.           CD205         Sim to TOSHBA 153228.         L280         Coil RF 6 47 µH ±10%.           CD206         Sim to TOSHBA 153238.         L280         Coil RF 6 47 µH ±10%.           CD206         Sim to TOSHBA 153238.         R201         Meal film: 160 mm ±5%, 50 VDCW.           CD224         Simon: Schotty Barrier Dode;         R201         Meal film: 160 mm ±5%, 50 VDCW.           CD271         Simon: Schotty Barrier Dode;         R203         Meal film: 160 mm ±5%, 50 VDCW.           CD272         Simon: Schotty Barrier Dode;         R203         Meal film: 150 chm ±5%, 50 VDCW.           CD273         Simon: Schotty Barrier Dode; sim to sim to sim to sim to film Coll marks 15%, 100 VDCW.         Meal film: 150 chm ±5%, 50 VDCW.           CD273         Simon: Schotty Barrier Dode; sim to HTACH HVU325.         R206         Meal film: 150 chm ±5%, 50 VDCW.           CD274         Simon: Schotty Barrier Dode; sim to HTACH HVU325.         R206         Meal film: 150 chm ±5%, 50 VDCW.           CD275         Simon: Schotty Barrier Dode; sim to HTACH HVU325.         R210         Meal film: 160 chm ±5%, 50 VDCW.           CD276         Simon: Schotty Barrier Dode; sim to HTACH HVU355.         R210<	CD202					
CD203         Zenet: 3.0 Y; sim to HTACHI H2K3B.         L270         Chole Coll.           CD204         Silicon: finat recovery (2 dide with another sime); sim to TOSHIBA 15528.         L280         Coll. RF 47, µH ±10%.           CD204         Silicon: Shorting Barrier Dode; sim to HTACHI HVU351.         R201         Metal film: 105 / MEA 555, 00 VDCW, 1716 VAX           CD244         Silicon: Shorting Barrier Dode; sim to HTACHI HVU351.         R201         Metal film: 105 / Mea 55%, 50 VDCW, 1716 VAX           CD271         Silicon: Shorting Barrier Dode; sim to HTACHI HVU351.         R203         Metal film: 105 / Mea 55%, 50 VDCW, 1716 VAX           CD271         Silicon: Variable Capacitance Dode; sim to HTACHI H2U351.         R203         Metal film: 105 / Mea 55%, 50 VDCW, 1716 VAX           CD277         Silicon: Variable Capacitance Dode; sim to HTACHI H2U351.         R206         Metal film: 105 / Mea 55%, 50 VDCW, 1716 VAX           CD276         Silicon: Shorting Barrier Dode; sim to and CO278         R210         Metal film: 106 / Mea 55%, 50 VDCW, 1716 VAX           CD276         Silicon: Shorting Barrier Dode; sim to HTACHI H2U351.         R211         Metal film: 106 / Mea 55%, 50 VDCW, 1716 VAX           CV201         Silicon: Shorting Barrier Dode; sim to HTACHI H2U351.         R211         Metal film: 106 / Mea 55%, 50 VDCW, 1716 VAX           CV202         Silicon: Shorting Barrier Dode; sim to HTACHI H2U355         R211	C20203         Zenet: 3.0 Y, sim to HTACHI H2K38.         L220         Check C203           C20204         Silicon: frait recovery (2 dode with anote bode; sim to TOSHIBA 15526.         L280         Colit RF 4.7, H110%.           C20205         Silicon: Scholity Starle Dode; sim to HTACHI H2V1851.         R201         Metal film: 105 Meta 555, 50 VDCW.           C20206         Silicon: Scholity Starle Dode; sim to HTACHI H2V1851.         R201         Metal film: 105 Meta 55%, 50 VDCW.           C20217         Silicon: Scholity Starle Dode; sim to HTACHI H2V182.         R203         Metal film: 156K chen ±5%, 50 VDCW.           C2027         Silicon: Scholity Starle Dode; sim to HTACHI H2V182.         R204         H165K chen ±5%, 50 VDCW.           C2027         Silicon: Scholity Starle Dode; sim to HTACHI H2V182.         R204         H165K chen ±5%, 50 VDCW.           C1273         Silicon: Scholity Starle Dode; sin to and RCHM H3231.         R205         Metal film: 156K chen ±5%, 50 VDCW.           C1276         Silicon: Scholity Starle Dode; sin to and RCHM H3231.         R210         Metal film: 10K chen ±5%, 50 VDCW.           C1278         Silicon: Scholity Starle Dode; sin to HTACHI H2V185.         R211         Metal film: 10K chen ±5%, 50 VDCW.           C1278         Silicon: Scholity Starle Dode; sin to HTACHI H2V185.         R211         Metal film: 10K chen ±5%, 50 VDCW.           C178         Si	ODLOL					
CD204         Silicon: fast recovery (2 diodes in series); silicon: fast recovery (2 diodes with anode COmmon); sim to TOSHIBA 155218.         L281         Coll: FF 47, µH 10%.           CD240         Silicon: fast recovery (2 diodes with anode COmmon); sim to TOSHIBA 155218.         R201         Meal Min: 10K chim 25%, 50 VDCW, Weal Min: 20K chim 25%, 50 VDCW, Weal Min: 470K chim 25%, 50 VDCW, Weal Min: 330 chim 35%, 50 VDCW, Weal Min: 330 chim 35%, 50 VDCW, Weal Min: 330 chim 35%, 50 VDCW, Weal Min: 470K chim 25%, 50 VDCW, Weal M	C2024         Silicon: fast recovery (2 dicket in series); silicon: fast recovery (2 dicket with anode Common); sint to TOSHIBA 155218.         L281         Coll EF 47, µH 10%.           C0240         Silicon: fast recovery (2 dicket with anode Common); sint to TOSHIBA 155218.         R201         Meal Min: 10K chm 25%, 50 VDCW, 11W wat.           C0247         Silicon: Schotky Barrier Dode; sim to TACHI HVU351.         R201         Meal Min: 10K chm 25%, 50 VDCW, 11W wat.           C0247         Silicon: Schotky Barrier Dode; sim to FTACHI HVU351.         R202         Meal Min: 10K chm 25%, 50 VDCW, 11W wat.           C0247         Silicon: Schotky Barrier Dode; sim to HTACHI HVU351.         R203         Meal Min: 10K chm 25%, 50 VDCW, 11W wat.           C0272         Silicon: Schotky Barrier Dode; sim to HTACHI HVU351.         R206         Meal Min: 12K chm 55%, 50 VDCW, 11W Wat.           C0278         Silicon: Epikaja Planer Diode; sim to and C0278         R206         Meal Min: 22K chm s:5%, 50 VDCW, 11W Wat.           C1228         Silicon: Epikaja Planer Diode; sim to HTACHI HVU351.         R210         Meal Min: 300 chm s:5%, 50 VDCW, 11W Wat.           C1228         Silicon: Schotky Barrier Diode; sim to HTACHI HVU361.         R211         Meal Min: 300 chm s:5%, 50 VDCW, 11W Wat.           C1228         Silicon: Schotky Barrier Diode; sim to HTACHI HVU365.         R211         Meal Min: 300 chm s:5%, 50 VDCW, 11W Wat.           C1220         Silicon:	00000					•
Sim to TOSHIBA 1552/26.         L281         Cal: RF 4.7 µH ±106.           C2205         Silicon fast recovery (2) doddes with another statistications Diode; thru         Matal film:: 01 km = 55%, 50 VDCW, 1/10 Vat.         Matal film:: 01 km = 55%, 50 VDCW, 1/10 Vat.           C221         Silicon Schedby Barris Dode; sim to HTACHI HSUB8         R201         Matal film:: 01 km = 55%, 50 VDCW, 1/10 Vat.           C221         Silicon Schedby Barris Dode; sim to HTACHI HSUB8         R203         Matal film:: 10 km = 55%, 50 VDCW, 1/10 Vat.           C2227         Silicon: Schedby Barris Dode; sim to HTACHI HVU351.         R204         Matal film:: 10 km = 15%, 50 VDCW, 1/10 Vat.           CD273         Silicon: Schedby Barris Dode; sim to HTACHI HVU351.         R206         Matal film:: 10 km = 15%, 50 VDCW, 1/10 Vat.           CD274         Silicon: Schedby Barris Dode; sim to HTACHI HVU351.         R206         Matal film:: 10 km = 15%, 50 VDCW, 1/10 Vat.           CD278         Silicon: Schedby Barris Dode; sim to HTACHI HSUB8.         R210         Matal film:: 10 km = 15%, 50 VDCW, 1/10 Vat.           CV201         Silicon: Schedby Barris Dode; sim to HTACHI HSUB8.         R211         Matal film:: 10 km = 15%, 50 VDCW, 1/10 Vat.           CV202         Silicon: Schedby Barris Dode; sim to HTACHI HSUB8.         R214         Matal film:: 10 km = 15%, 50 VDCW, 1/10 Vat.           CV201         Silicon: Schedby Barris Do HTACHI HSUB8.         R214	Sim to TOSHIBA 155226.         L281         Cal: RF 4.7 µH ±106.           C2205         Silicon: to TOSHIBA 15511.         R201         Matal film::01 kohms ±5%, 50 VDCW, 17/16 VAm.           C2240         sim to TOSHIBA 15511.         R201         Matal film::01 kohms ±5%, 50 VDCW, 17/16 VAm.           C2247         Silicon: Schody Barris Doda; sim to HTACHI HSUB8         R202         Mitol film::02 chms ±5%, 50 VDCW, 17/16 VAm.           C2247         Silicon: Schody Barris Doda; sim to HTACHI HSUB8         R203         Metal film::160 chms ±5%, 50 VDCW, 17/16 VAm.           C2272         Silicon: Schody Barris Doda; sim to HTACHI HVU231.         R204         Metal film::160 chms ±5%, 50 VDCW, 17/16 VAm.           C0227         Silicon: Schody Barris Doda; sim to HTACHI HVU231.         R206         Metal film::160 chms ±5%, 50 VDCW, 17/16 VAm.           C0227         Silicon: Schody Barris Dode; sim to HTACHI HSUB8.         R207         Metal film::160 chms ±5%, 50 VDCW, 17/16 VAm.           C0228         Silicon: Schody Barris Dode; sim to HTACHI HSUB8.         R210         Metal film::160 chms ±5%, 50 VDCW, 17/16 VAm.           C4204         Variable : 10 pF max.         R215         Metal film::160 chms ±5%, 50 VDCW, 17/16 VAm.           C4204         EMI Filez         R214         Metal film::160 chms ±5%, 50 VDCW, 17/16 VAm.           C4204         EMI Filez         R214         Metal film::						
CD205         Silicon: fast recovery (2 dicks with anode Common); sim to TSMB 15511.         Control         Control           CD240         Silicon: Variable Capacitance Diode; simu of TACHI FV0351.         R201         Mats film: 10K ohms 15%, 50 VDCW, 11/10 Varia.           CD247         Silicon: Sortelity Barriar Diode; simu of TACHI FV0351.         R202         Mats film: 10K ohms 15%, 50 VDCW, 11/10 Varia.           CD271         Silicon: Sortelity Barriar Diode; simu of TACHI FV020.         R203         Mats film: 10K ohms 15%, 50 VDCW, 11/16 Varia.           CD273         Silicon: Variable Capacitance Diode; simu of TACHI FV020.         R204         Mats film: 10K ohms 15%, 50 VDCW, 11/16 Varia.           CD274         Silicon: Sortelity Barriar Diode; sim to and ROHM 11S318.         R206         Mats film: 10K ohms 15%, 50 VDCW, 11/16 Varia.           CD278         Silicon: Sortelity Barriar Diode; sim to HTACHI FV028.         R211         Mats film: 10K ohms 15%, 50 VDCW, 11/16 Varia.           CV201         Silicon: Sortelity Barriar Diode; sim to HTACHI FV028.         R211         Mats film: 10K ohms 15%, 50 VDCW, 11/16 Varia.           CV202         Silicon: Sortelity Barriar Diode; sim to HTACHI FV028.         R211         Mats film: 10K ohms 15%, 50 VDCW, 11/16 Varia.           CV202         Silicon: Sortelity Barriar Diode; sim to HTACHI FV028.         R214         Mats film: 10K ohms 15%, 50 VDCW, 11/16 Varia.           CV202         Silicon:	C1205         Silicon: fast recovery (2 dicks with anode Common); sin to (754481 55316).         C121	CD204					
Common): similar to TOSHBA 15511.	Common): similar to TOSHBA 15511.			sim to TOSHIBA 1SS226.	L281		Coil: RF 4.7 μH ±10%.
thu         sin to HTACHI HVUS51.         R201         Metal film: 10K ohms 25%, 50 VDCW, 116 Watt.           CD247         Silicon: Schottky Barner Diode; sin to HTACHI SUB8.         R202         Metal film: 20 chms 25%, 50 VDCW, 116 Watt.           CD271         Silicon: Schottky Barner Diode; sin to HTACHI SUB8.         R203         Metal film: 10K ohms 25%, 50 VDCW, 1176 Watt.           CD272         Silicon: Variable Capacitance Diode; silicon: Variable Capacitance Diode; silicon: Schottky Barner Diode; sin to and RCHM 11SS18.         R204         Metal film: 10K ohms 55%, 50 VDCW, 116W att.           CD273         Silicon: Schottky Barner Diode; sin to and RCHM 11SS18.         R206         Metal film: 70K ohms 55%, 50 VDCW, 116W att.           CD276         Silicon: Schottky Barner Diode; sin to HTACHI HSU88.         R210         Metal film: 70K ohms 55%, 50 VDCW, 116W att.           CD278         Silicon: Schottky Barner Diode; sin to HTACHI HSU88.         R211         Metal film: 70K ohms 55%, 50 VDCW, 116W att.           CV201         Silicon: Schottky Barner Diode; sin to HTACHI HSU88.         R214         Metal film: 10K ohms 55%, 50 VDCW, 116W att.           CV202         Silicon: Schottky Barner Diode; sin to HTACHI HSU88.         R214         Metal film: 10K ohms 55%, 50 VDCW, 116W att.           CV202         Silicon: Schottky Barner Diode; sin to HTACHI HSU88.         R214         Metal film: 10K ohms 55%, 50 VDCW, 116W att.           CV202	thu         sin to HTACHI HVUS51.         R201         Metal film: 10K ohms 25%, 50 VDCW, 116 Watt.           CD247         Silicon: Schottky Barner Diode; sin to HTACHI SUB8.         R202         Metal film: 20 chms 25%, 50 VDCW, 116 Watt.           CD271         Silicon: Schottky Barner Diode; sin to HTACHI SUB8.         R203         Metal film: 10K ohms 25%, 50 VDCW, 1176 Watt.           CD272         Silicon: Variable Capacitance Diode; silicon: Variable Capacitance Diode; silicon: Schottky Barner Diode; sin to and RCHM 11SS18.         R204         Metal film: 10K ohms 55%, 50 VDCW, 116W att.           CD273         Silicon: Schottky Barner Diode; sin to and RCHM 11SS18.         R206         Metal film: 70K ohms 55%, 50 VDCW, 116W att.           CD276         Silicon: Schottky Barner Diode; sin to HTACHI HSU88.         R210         Metal film: 70K ohms 55%, 50 VDCW, 116W att.           CD278         Silicon: Schottky Barner Diode; sin to HTACHI HSU88.         R211         Metal film: 70K ohms 55%, 50 VDCW, 116W att.           CV201         Silicon: Schottky Barner Diode; sin to HTACHI HSU88.         R214         Metal film: 10K ohms 55%, 50 VDCW, 116W att.           CV202         Silicon: Schottky Barner Diode; sin to HTACHI HSU88.         R214         Metal film: 10K ohms 55%, 50 VDCW, 116W att.           CV202         Silicon: Schottky Barner Diode; sin to HTACHI HSU88.         R214         Metal film: 10K ohms 55%, 50 VDCW, 116W att.           CV202	CD205					RESISTORS
thu         sim to HTACHI HVUS51.         R201         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD243         Silicon: Schettiky Barrier Diode; sim to HTACHI 1808.         R202         Metal film: 20 chms :5%, 50 VDCW, 116 Watt.           CD271         Silicon: Instructively 21 diodes in samies); Silicon: Variable Capabiliance Diode; sim to PANASONC MATS33.         R203         Metal film: 10K chms :5%, 50 VDCW, 116 Watt.           CD272         Silicon: Variable Capabiliance Diode; sim to HTACHI HVUS51.         R205         Metal film: 23 chms :5%, 50 VDCW, 116 Watt.           CD273         Silicon: Schettiky Barrier Diode; sim to and ROHM 15S318.         R206         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD276         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R210         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD278         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R211         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD274         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R211         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD276         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R214         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CV201         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R214         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CV202 <t< td=""><td>thu         sim to HTACHI HVUS51.         R201         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD243         Silicon: Schettiky Barrier Diode; sim to HTACHI 1808.         R202         Metal film: 20 chms :5%, 50 VDCW, 116 Watt.           CD271         Silicon: Instructively 21 diodes in samies); Silicon: Variable Capabiliance Diode; sim to PANASONC MATS33.         R203         Metal film: 10K chms :5%, 50 VDCW, 116 Watt.           CD272         Silicon: Variable Capabiliance Diode; sim to HTACHI HVUS51.         R205         Metal film: 23 chms :5%, 50 VDCW, 116 Watt.           CD273         Silicon: Schettiky Barrier Diode; sim to and ROHM 15S318.         R206         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD276         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R210         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD278         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R211         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD274         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R211         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD276         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R214         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CV201         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R214         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CV202         <t< td=""><td>CD240</td><td></td><td>Silicon: Variable Capacitance Diode;</td><td></td><td></td><td></td></t<></td></t<>	thu         sim to HTACHI HVUS51.         R201         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD243         Silicon: Schettiky Barrier Diode; sim to HTACHI 1808.         R202         Metal film: 20 chms :5%, 50 VDCW, 116 Watt.           CD271         Silicon: Instructively 21 diodes in samies); Silicon: Variable Capabiliance Diode; sim to PANASONC MATS33.         R203         Metal film: 10K chms :5%, 50 VDCW, 116 Watt.           CD272         Silicon: Variable Capabiliance Diode; sim to HTACHI HVUS51.         R205         Metal film: 23 chms :5%, 50 VDCW, 116 Watt.           CD273         Silicon: Schettiky Barrier Diode; sim to and ROHM 15S318.         R206         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD276         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R210         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD278         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R211         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD274         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R211         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CD276         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R214         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CV201         Silicon: Schettiky Barrier Diode; sim to HTACHI HSU88.         R214         Metal film: 10K ohms :5%, 50 VDCW, 116 Watt.           CV202 <t< td=""><td>CD240</td><td></td><td>Silicon: Variable Capacitance Diode;</td><td></td><td></td><td></td></t<>	CD240		Silicon: Variable Capacitance Diode;			
CD243         Silicon: Schottly Barrier Diode; sim to HITACHI HSU88.         R203         Metal film: 22 ohms 55%, 50 VDCW, 110 Watt.           CD271         Silicon: Schottly Barrier Diode; sim to PANASONIC MA153A.         R204         Metal film: 740k ohms 55%, 50 VDCW, 110 Watt.           CD273         Silicon: Schottly Barrier Diode; sim to HITACHI HVU202.         R205         Metal film: 740k ohms 55%, 50 VDCW, 110 Watt.           CD273         Silicon: Schottly Barrier Diode; sim to HITACHI HVU202.         R205         Metal film: 740k ohms 55%, 50 VDCW, 110 Watt.           CD277         Silicon: Schottly Barrier Diode; sim to HITACHI HSU88.         R207         Metal film: 700k ohms 55%, 50 VDCW, 110 Watt.           CD277         Silicon: Schottly Barrier Diode; sim to HITACHI HSU88.         R210         Metal film: 30 kohms 55%, 50 VDCW, 110 Watt.           CD278         Silicon: Schottly Barrier Diode; sim to HITACHI HSU88.         R211         Metal film: 30 kohms 55%, 50 VDCW, 110 Watt.           CV201         Variable: 10 pF max.         R213         Metal film: 30 kohms 45%, 50 VDCW, 110 Watt.           CV202	CD243         Silicon: Schottly Barrier Diode; sim to HITACHI HSU88.         R203         Metal film: 22 ohms 55%, 50 VDCW, 110 Watt.           CD271         Silicon: Schottly Barrier Diode; sim to PANASONIC MA153A.         R204         Metal film: 740k ohms 55%, 50 VDCW, 110 Watt.           CD273         Silicon: Schottly Barrier Diode; sim to HITACHI HVU202.         R205         Metal film: 740k ohms 55%, 50 VDCW, 110 Watt.           CD273         Silicon: Schottly Barrier Diode; sim to HITACHI HVU202.         R205         Metal film: 740k ohms 55%, 50 VDCW, 110 Watt.           CD277         Silicon: Schottly Barrier Diode; sim to HITACHI HSU88.         R207         Metal film: 700k ohms 55%, 50 VDCW, 110 Watt.           CD277         Silicon: Schottly Barrier Diode; sim to HITACHI HSU88.         R210         Metal film: 30 kohms 55%, 50 VDCW, 110 Watt.           CD278         Silicon: Schottly Barrier Diode; sim to HITACHI HSU88.         R211         Metal film: 30 kohms 55%, 50 VDCW, 110 Watt.           CV201         Variable: 10 pF max.         R213         Metal film: 30 kohms 45%, 50 VDCW, 110 Watt.           CV202	thru		sim to HITACHI HVU351.	R201		Metal film: 10K ohms ±5%, 50 VDCW,
CD247         Silicon: Schottky Barrier Diode; Silicon: fast recovery (2 diods in sarries); Silicon: Variable Capacitance Diods; Silicon: Variable Capacitance Diods; Silicon: Variable Capacitance Diods; Silicon: Schottky Barrier Diods; Silicon: Schottky Barrier Diods; Metal Him: 160K chms 15%, 50 VDCW, V110 Watt.         Metal Him: 150K chms 15%, 50 VDCW, V110 Watt.           CD273         Silicon: Schottky Barrier Diods; Silicon: Schottky Barrier Diods; silicon: Cover CD278         R205         Metal Him: 150K chms 15%, 50 VDCW, V110 Watt.           CD274         Silicon: Schottky Barrier Diods; silicon: HTACHH H20450.         R207         Metal Him: 150K chms 15%, 50 VDCW, V116 Watt.           CD278         Silicon: Schottky Barrier Diods; silicon: HTACHH H2048.         R210         Metal Him: 30 chms 15%, 50 VDCW, V116 Watt.           CD278         Silicon: Schottky Barrier Diode; silicon: HTACHH H2048.         R211         Metal Him: 30 chms 15%, 50 VDCW, V116 Watt.           CV201         Variable: 10 pF max.         R213         Metal Him: 30 chms 15%, 50 VDCW, V116 Watt.           CV202         Silicon: Chrone L175.         R218         Metal Him: 30 chms 15%, 50 VDCW, V116 Watt.           FL204         EMI Filter.         R217         Metal Him: 150K chms 15%, 50 VDCW, V116 Watt.           Cl202         Synthesizer, CMOS serial mput: sin to FAN	CD247         Silicon: Schottsy Barrier Diode; sim to PTACH HSU88.         R202         Metal Tim: 20 chms :5%, 100 VDCW, 110 Watt.           CD271         Silicon: fast recovery (2 diods in series); sim to PANASONC MATS3A.         R203         Metal Tim: 150K chms :5%, 50 VDCW, 116 Watt.           CD272         Silicon: Variable Capacitance Diode; sim to PTACH HV0202.         R205         Metal Tim: 150K chms :5%, 50 VDCW, 116 Watt.           CD273         Silicon: Variable Capacitance Diode; sim to HTACH HV0202.         R205         Metal Tim: 150K chms :5%, 50 VDCW, 116 Watt.           CD274         Silicon: Schottsy Barrier Diode; sim to HTACH HV0205.         R206         Metal Tim: 150K chms :5%, 50 VDCW, 116 Watt.           CD278         Silicon: Schottsy Barrier Diode; sim to HTACH HV0205.         R210         Metal Tim: 100K chms :5%, 50 VDCW, 116 Watt.           CV201         Silicon: Schottsy Barrier Diode; sim to HTACH HV0208.         R211         Metal Tim: 00K chms :5%, 50 VDCW, 116 Watt.           CV202         Watable: 10 pF max.         R213         Metal Tim: 30 chms :5%, 50 VDCW, 116 Watt.           CV202         Watable: 10 pF max.         R214         Metal Tim: 30 chms :5%, 50 VDCW, 116 Watt.           CV202         Watable: 10 pF max.         R216         Metal Tim: 30 chms :5%, 50 VDCW, 116 Watt.           CV202         EMI Filter.         R216         Metal Tim: 30 chms :5%, 50 VDCW, 116 Watt.						
CD221         Silicon: fact accovery (2 dodes in series); silicon: Variable Capacitance Diode; silicon: Variable Capacitance Diode; silicon: Variable Capacitance Diode; silicon: Variable Capacitance Diode; silicon: Scherby Barrier Diode; silicon: Variable Capacitance Diode; silicon: Epitaxial Planer Diode; silicon: Variable Capacitance Diode; silicon: Scherby Barrier Diode; silicon: Variable Capacitance Diode; silicon: Scherby Barrier Diode; silicon: Capacitance Diode; silicon: Capacitance Diode; silicon: Capacitance Diode; silicon: Scherby Barrier Diode; silicon: Capacitance Diode; siliconc	CD221         Silicon: fact accovery (2 dodes in series); silicon: Variable Capacitance Diode; silicon: Variable Capacitance Diode; silicon: Variable Capacitance Diode; silicon: Variable Capacitance Diode; silicon: Scherby Barrier Diode; silicon: Variable Capacitance Diode; silicon: Epitaxial Planer Diode; silicon: Variable Capacitance Diode; silicon: Scherby Barrier Diode; silicon: Variable Capacitance Diode; silicon: Scherby Barrier Diode; silicon: Capacitance Diode; silicon: Capacitance Diode; silicon: Capacitance Diode; silicon: Scherby Barrier Diode; silicon: Capacitance Diode; siliconc				R202		Metal film: 22 ohms ±5%, 100 VDCW,
CD272         Silicon: Variable Capacitance Diode; INTERNATION CONTROL AND CONTRUC AND CONTROL AND CONTROL AND CONTRUC AND CONTROL	CD272         Silicon: Variable Capacitance Diode; Itiu         R204         Metal film: 470k Chm s4%, 50 VDCW, V16 Valut           CD273         Silicon: Variable Capacitance Diode; Silicon: Epitable Capacitance Diode; Itiu         R205         Metal film: 150k Chm s4%, 100 VDCW, V170 Valut           CD276         Silicon: Epitable Capacitance Diode; Silicon: Schottly Barrier Diode; sim to ROHM ISS318.         R206         Metal film: 22k Chm s4%, 50 VDCW, V170 Valut           CD278         Silicon: Schottly Barrier Diode; sim to ROHM ISS318.         R210         Metal film: 40 km s4%, 50 VDCW, V170 Valut           CD278         Silicon: Schottly Barrier Diode; sim to HTACH ISU88.         R211         Metal film: 30k chm s5%, 50 VDCW, V170 Valut           CD278         Silicon: Schottly Barrier Diode; sim to HTACH ISU88.         R211         Metal film: 30k chm s5%, 50 VDCW, V170 Valut           CV201         Variable: 10 pF max.         R213         Metal film: 30k chm s5%, 50 VDCW, V170 Valut           CV202         R215         Metal film: 50k chm s5%, 50 VDCW, V170 Valut         Metal film: 50k chm s5%, 50 VDCW, V170 Valut           CV201         Sphestzer: CMOS serial input.         R218         Metal film: 30k chm s5%, 50 VDCW, V170 Valut           C201         Sphestzer: CMOS serial input.         R219         Metal film: 30k chm s5%, 50 VDCW, V170 Valut           IC203         Licer, Dual OP Amp; sim to MTSUBLH MS225FP.         R220	CD271		Silicon: fast recovery (2 diodes in series);	R203		Metal film: 150K ohms ±5%, 50 VDCW,
CD273         Silicon: Variable Capacitance Diode; into HTTACHI HVU351.         R205         Metal film: 105 kohms ±5%, 100 VDCW, 1/10 Watt.           CD276         Silicon: Epitaxial Planer Diode; sim to ROHM 1SS318.         R206         Metal film: 2X cohms ±5%, 50 VDCW, 1/16 Watt.           CD278         Silicon: Epitaxial Planer Diode; sim to ROHM 1SS318.         R207         Metal film: 2X cohms ±5%, 50 VDCW, 1/16 Watt.           CD283         Silicon: Epitaxial Planer Diode; sim to HTACHI HSU88.         R211         Metal film: 470 kohms ±5%, 50 VDCW, 1/16 Watt.           CV201         Variable: CapAcITOR         R213         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         Variable: To PF max.         R214         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         FLTER         R216         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         EMI Filter.         R214         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           FL204         EMI Filter.         R217         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           Icc201         Synthesizer: CMOS serial input: is no MOTCROLA MC145159FN.         R219         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           Icc203         Linear. Dual OP Amp; sim to MC10202XLDA.         R228         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           Icc204         D	CD273         Silicon: Variable Capacitance Diode; into HTTACHI HVU351.         R205         Metal film: 105 kohms ±5%, 100 VDCW, 1/10 Watt.           CD276         Silicon: Epitaxial Planer Diode; sim to ROHM 1SS318.         R206         Metal film: 2X cohms ±5%, 50 VDCW, 1/16 Watt.           CD278         Silicon: Epitaxial Planer Diode; sim to ROHM 1SS318.         R207         Metal film: 2X cohms ±5%, 50 VDCW, 1/16 Watt.           CD283         Silicon: Epitaxial Planer Diode; sim to HTACHI HSU88.         R211         Metal film: 470 kohms ±5%, 50 VDCW, 1/16 Watt.           CV201         Variable: CapAcITOR         R213         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         Variable: To PF max.         R214         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         FLTER         R216         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         EMI Filter.         R214         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           FL204         EMI Filter.         R217         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           Icc201         Synthesizer: CMOS serial input: is no MOTCROLA MC145159FN.         R219         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           Icc203         Linear. Dual OP Amp; sim to MC10202XLDA.         R228         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           Icc204         D	CD272			R204		
CD273         Silicon: Variable Capacitance Diode; into HTTACHI HV0351.         R205         Metal film: 150 kohms ±5%, 100 VDCW, 1/10 Watt.           CD276         Silicon: Epitaxial Planer Diode; sim to ROHM 1SS318.         R206         Metal film: 2.8 kohms ±5%, 50 VDCW, 1/16 Watt.           CD278         Silicon: Epitaxial Planer Diode; sim to ROHM 1SS318.         R207         Metal film: 10k ohms ±5%, 50 VDCW, 1/16 Watt.           CD278         Silicon: Schutky Barrier Diode; sim to HTACHI HSU88.         R211         Metal film: 40 kohms ±5%, 50 VDCW, 1/16 Watt.           CV201         Variable: 10 pF max.         R214         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         Variable: 10 pF max.         R214         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         FLZ64         EMI Filter.         R214         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           FL204         EMI Filter.         R217         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.         Metal film: 10 K ohms ±5%, 50 VDCW, 1/16 Watt.           IC201         Synthesizer: CMOS serial input; is to MOTCOROLA MCI45159FN.         R219         Metal film: 10 K ohms ±5%, 50 VDCW, 1/16 Watt.           IC204         Digital, Bilateral switch: sim to MCTROLA MCI40669FP.         R228         Metal film: 10 K ohms ±5%, 50 VDCW, 1/16 Watt.           IC204         Digital, Bilateral switch: sim to MCTROLA MCI40669FP.         R228	CD273         Silicon: Variable Capacitance Diode; into HITACHI HV0351.         R205         Metal film: 150K ohms ±5%, 50 VDCW, 1/10 Wat.           CD276         Silicon: Epitaxial Planer Diode; sim to ROHM 15S318.         R206         Metal film: 2.8 ohms ±5%, 50 VDCW, 1/16 Wat.           CD278         Silicon: Epitaxial Planer Diode; sim to ROHM 15S318.         R207         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Wat.           CD278         Silicon: Epitaxial Planer Diode; sim to HTACHI HSU88.         R211         Metal film: 40 ohms ±5%, 50 VDCW, 1/16 Wat.           CV201         Variable: 10 pF max.         R213         Metal film: 0 ohms ±5%, 50 VDCW, 1/16 Wat.           CV202         Variable: 10 pF max.         R214         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wat.           CV202         FLTER         R215         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wat.           CV202         FLTER         R216         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wat.           FL204         EMI Filter.         R217         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wat.           IC201         Synthesizer: CMOS serial input: is not MOTCOROLA MC145159FN.         R219         Metal film: 10 ohms ±5%, 50 VDCW, 1/16 Wat.           IC204         Digital, Bilateral switch: sin to MCTRULA MC140666F.         R228         Metal film: 10 ohms ±5%, 50 VDCW, 1/16 Wat.           IC205         Prescaler: sin to MOTCROLA			sim to HITACHI HVU202.			1/16 Watt.
Intu         sin to HITACHI HVU351.         Provide State         Provide State           CD276         Silicon: Epitaxial Planer Diode: sim to ROHM 15S318.         R206         Metal film: 128 ohms ±5%, 50 VDCW, V16 Watt.           CD278         Silicon: Schottky Barrier Diode: sim to HITACHI HSU88.         R207         Metal film: 100K ohms ±5%, 50 VDCW, V16 Watt.           CD283         Silicon: Schottky Barrier Diode: sim to HITACHI HSU88.         R210         Metal film: 100K ohms ±5%, 50 VDCW, V16 Watt.           CV201         Warlable: 10 pF max.         R213         Metal film: 300 ohms ±5%, 50 VDCW, V16 Watt.           CV202         PILTER.         R215         Metal film: 0 ohm, Metal film: 0 ohms ±5%, 50 VDCW, V10 Watt.           FL204         EMI Filter.         R217         Metal film: 30 kohms ±5%, 50 VDCW, V16 Watt.           FL204         EMI Filter.         R217         Metal film: 30 kohms ±5%, 50 VDCW, V16 Watt.           IC201         Synthesizer: CMOS serial input: sim to MOTOROLA MC145159FN.         R219         Metal film: 30 kohms ±5%, 50 VDCW, V16 Watt.           IC202         Linear, Daul OP Ang; sim to Metal film: 0 Ang: sim to MOTOROLA MC145169FN.         R229         Metal film: 40 kohms ±5%, 50 VDCW, V16 Watt.           IC204         Digital, Blaeral switch: sim to MOTOROLA MC145169FN.         R228         Metal film: 0 chm. Metal film: 0 chm. MOTOROLA MC145065FF.           IC204	Inu         sim to HITACHI HVU351.         Provide State         Provide State           CD276         Silicon: Epitaxial Planer Diode: sim to and CD278         R206         Metal film: 22K ohms ±5%, 50 VDCW, V16 Watt.           CD278         Silicon: Schotty Barrier Diode; sim to HITACHI HSUB8.         R207         Metal film: Mohms ±5%, 50 VDCW, V16 Watt.           CD283         Silicon: Schotty Barrier Diode; sim to HITACHI HSUB8.         R210         Metal film: Mohms ±5%, 50 VDCW, V16 Watt.           CV201         Variable: 10 pF max.         R211         Metal film: 300 ohms ±5%, 50 VDCW, V16 Watt.           CV202         FL215         Metal film: 0 ohm, Metal film: 0 ohm, ±5%, 50 VDCW, V10 Watt.         Metal film: 300 ohms ±5%, 50 VDCW, V10 Watt.           FL204         EMI Filter.         R217         Metal film: 35%, 50 VDCW, V16 Watt.           FL204         EMI Filter.         R218         Metal film: 30 kohms ±5%, 50 VDCW, V16 Watt.           IC201         Synthesizer: CMOS serial input; sim to MOTOROLA MC1451597N.         R219         Metal film: 30 kohms ±5%, 50 VDCW, V16 Watt.           IC202         Linear, Daal OP Amp; sim to NETOROLA MC1451597N.         R229         Metal film: 40 ohms ±5%, 50 VDCW, V16 Watt.           IC204         Dipital, Blagrafi switch: sim to NETOROLA MC1451597N.         R228         Metal film: 0 ohm. Netal film: 0 ohm.           IC204         Dipital, Blagrafi swit	CD273			R205		Metal film: 150K ohms +5% 100 VDCW
CD277         Metal film: C2 (C) Address (C)	CD2272         Silicon: Epitaxial Planer Diode: sim to ROHM 1SS318.         R206         Metal film: 22.K ohms ±5%, 50 VDCW, 1/16 Watt.           CD278         Silicon: Epitaxial Planer Diode; sim to ROHM 1SS318.         R207         Metal film: 10 whoms ±5%, 50 VDCW, 1/16 Watt.           CD278         Silicon: Schutky Barrier Diode; sim to HITACHI HSU88.         R210         Metal film: 470 kohms ±5%, 50 VDCW, 1/16 Watt.           CV201         Variable: CAPACITOR         R213         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         Variable: 10 pF max.         R214         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         FLTER						
CD277         Silicon: Epitaxial Planer Diode: sim to ROHM 15S318.         R207         If 16 Wett.           CD278         Silicon: Schottky Barier Diode; sim to HITACHI HSU88.         R210         Metal film: 10 homs ±5%, 50 VDCW, 1/16 Wett.           CV201         Waitable: 10 pF max.         R213         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wett.           CV202         R215         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wett.         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wett.           CV202         R215         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wett.         Metal film: 50K ohms ±5%, 50 VDCW, 1/16 Wett.           CV202         R215         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Wett.         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Wett.           FL204         EMI Filter.         R217         Metal film: 30K ohms ±5%, 50 VDCW, 1/16 Wett.           IC201         Synthesizer: CMOS serial input; min MOTORCIA MCI 45159FN.         R218         Metal film: 47 ohms ±5%, 50 VDCW, 1/16 Wett.           IC202         Linear, Dual OP Amp; sim to MC12025LDA         R228         Metal film: 47 ohms ±5%, 50 VDCW, 1/10 Wett.           IC204         Digital Bisteria switch: sim to MC12025LDA         R228         Metal film: 47 ohms ±5%, 50 VDCW, 1/10 Wett.           IC205         Prescaler: sim to MOTORCIA MCI 43058FF.         R228         Metal film: 47 ohms ±5%, 50 VDCW, 1/10 Watt.           IC206	CD277         Silicon: Epitaxial Planer Diode: sim to ROHM 153318.         R207         Metal film: 1/16 Wett.           CD288         Silicon: Schottky Barrier Diode: sim to HITACHI HSU88.         R207         Metal film: 30 homs ±5%, 50 VDCW, 1/16 Wett.           CV201         Waitsbie: 10 pF max.         R211         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wett.           CV201         Variable: 10 pF max.         R213         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wett.           CV202         R215         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wett.         1/16 Wett.           CV201         R215         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wett.         1/16 Wett.           CV202         R215         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wett.         1/16 Wett.           FL204         EMI Filter.         R217         Metal film: 30 ohms ±5%, 50 VDCW, 1/16 Wett.         1/16 Wett.           G201         Synthesizer: CMOS serial input; mit MOTORCIA MCI 4515PN.         R218         Metal film: 47 ohms ±5%, 50 VDCW, 1/16 Wett.           G202         Linear, Dual OP Amp; sim to MC1022SLD.         R228         Metal film: 47 ohms ±5%, 50 VDCW, 1/16 Watt.           G204         Digital, Bisterial switch: sim to MC102QSLD.         R228         Metal film: 47 ohms ±5%, 50 VDCW, 1/10 Watt.           G204         Digital, Bisterial switch: sim to MC102QSLD.         R228         Meta				Page		
and CD278         ROHM 15S318.         R207         Metal film: 1M ohms ±5%, 50 VDCW, 1/16 Watt.           CD283         Silicon: Schottky Barrier Diode; sim to HITACHI HSU88.         R210         Metal film: 470K ohms ±5%, 50 VDCW, 1/16 Watt.           CV201         Variable: C0.PACITOR R213         R211         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           CV201         Variable: 10 pF max.         R213         Metal film: 100 chms ±5%, 200 VDCW, 1/16 Watt.           CV202	and CD278         R0HM 15S318.         R207         Metal film: 1M ohms ±5%, 50 VDCW, 1/16 Watt.           CD283         Silicon: Schottky Barrier Diode; sim to HITACHI HSU88.         R210         Metal film: 470K ohms ±5%, 50 VDCW, 1/16 Watt.           CV220        VARIABLE CAPACITOR VariABLE CAPACITOR         R213         Metal film: 100K ohms ±5%, 20 VDCW, 1/16 Watt.           CV201         Variable: 10 pF max.         R214         Metal film: 100 chms ±5%, 20 VDCW, 1/16 Watt.           CV202				r{200		
CD278         1/16 Watt.         1/16 Watt.           CD283         Silicon: Schottky Barrier Diode; sim to HITACHI HSU88.         R210         Metal film: 476 chms ±5%, 50 VDCW, 1/16 Watt.           CV201         Variable: 10 pF max.         R213         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         R215         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.           CV202         FLTER         R213         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.           FL204         EMI Filter.         R217         Metal film: 35%, 50 VDCW, 1/16 Watt.           FL204         EMI Filter.         R217         Metal film: 35%, 50 VDCW, 1/16 Watt.           IC201         Synthesizer: CMOS serial input: sin 6 M0TOROLA MC144518PN, Linear, Dual OP Amp; sin 0         R220         Metal film: 47 ohms ±5%, 50 VDCW, 1/16 Watt.           IC203         Linear, Dual OP Amp; sin 10         R224         Metal film: 47 ohms ±5%, 50 VDCW, 1/16 Watt.           IC204         Digital, Bitteraris witch: sin to MC1202SLAD.         R226         Metal film: 20 chms ±5%, 50 VDCW, 1/16 Watt.           IC205         Prescaler: sim to MOTOROLA NCC205         R228         Metal film: 20 chms ±5%, 50 VDCW, 1/16 Watt.           IC206         R7 wide band amplifier: sim to NCC205         R228         Metal film: 20 chms ±5%, 50 VDCW, 1/16 Watt.	CD278         1/16 Watt.         1/16 Watt.           CD283         Silicon: Schottky Barrier Diode; sim to HITACHI HSU88.         R210         Metal film: 470 chms ±5%, 50 VDCW, 1/16 Watt.           CV201         Variable: 10 pF max.         R213         Metal film: 300 chms ±5%, 50 VDCW, 1/16 Watt.           CV202         R215         Metal film: 300 chms ±5%, 50 VDCW, 1/16 Watt.         Metal film: 5%, 50 VDCW, 1/16 Watt.           CV202         FLTER         R213         Metal film: 5%, 50 VDCW, 1/16 Watt.           CV202         FL204         EMI Filter.         R217           Metal film: 5%, 50 VDCW, 1/16 Watt.         Metal film: 5%, 50 VDCW, 1/16 Watt.         Metal film: 5%, 50 VDCW, 1/16 Watt.           FL204         EMI Filter.         R217         Metal film: 6.8 chms ±5%, 50 VDCW, 1/16 Watt.           IC201         Synthesizer: CMOS serial input: in 6 M0TOROLA MC145159FN.         R219         Metal film: 47 ohms ±5%, 50 VDCW, 1/16 Watt.           IC203         Linear, Dual OP Amp; sim to HTMU SUBICH M6232FP.         R220         Metal film: 47 ohms ±5%, 50 VDCW, 1/16 Watt.           IC204         Dgial, Biatera witch: sim to MC1202SLAD.         R228         Metal film: 20 chms ±5%, 50 VDCW, 1/16 Watt.           IC205         Prescaler: sim to MOTOROLA NCC205         R228         Metal film: 20 chms ±5%, 50 VDCW, 1/16 Watt.           IC206         R7 wide band a						
CD283         Silicon: Schottky Barrier Diode; sim to HITACHI HSU88.         R210         Metal film: 470K chms ±5%, 50 VDCW, HITACHI HSU88.           CV201         Variable: 10 pF max.         R211         Metal film: 30 ohms ±5%, 50 VDCW, Head film: 10 ohm.           CV202         Variable: 10 pF max.         R213         Metal film: 30 ohms ±5%, 50 VDCW, Head film: 10K ohms ±5%, 50 VDCW, Head film: 150K ohms ±5%, 50 VDCW, Head film: 150K ohms ±5%, 50 VDCW, Head film: 33K ohms ±5%, 50 VDCW, Head film: 33K ohms ±5%, 50 VDCW, Head film: 33K ohms ±5%, 50 VDCW, HitWat.           FL204         EMI Filter.         R216         Metal film: 50K ohms ±5%, 50 VDCW, Head film: 33K ohms ±5%, 50 VDCW, HitWat.           IC201         Synthesizer: CMOS serial input; sim to MOTOROLA MCH3559FN.         R219         Metal film: 10K ohms ±5%, 50 VDCW, HitWat.           IC202         Linear, Dual OP Amp; sim to MC1022SLAD.         R220         Metal film: 10K ohms ±5%, 50 VDCW, HitWat.           IC204         Digital, Bilateral switch: sim to MC1022SLAD.         R226         Metal film: 20K ohms ±5%, 50 VDCW, HitWat.           IC205         Prescaler: sim to MC102DE3TP.         R226         Metal film: 20K ohms ±5%, 50 VDCW, HitWat.           IC206         RF wide band amplifier: sim to MC102DE3TP.         R228         Metal film: 20K ohms ±5%, 50 VDCW, HitWat.           IC207         Linear: Dual Comparator; sim to MC102DE3TP.<	CD283         Silicon: Schottky Barrier Diode; sim to HITACHI HSU88.         R210         Metaf film: 470k chms ±5%, 50 VDCW, HITACHI HSU88.           CV201         Variable: 10 pF max.         R211         Metaf film:: 00k chms ±5%, 50 VDCW, Head film:: 00k chms ±5%, 50 VDCW, 1/16 Watt.           CV202        VARIABLE CAPACITOR and         R213         Metaf film:: 00k chms ±5%, 50 VDCW, 1/16 Watt.           CV202        FILTER			ROHM 1SS318.	R207		
HTACH HSU88.         716 Wat.           CV201        VARIABLE CAPACITOR         R211           Metal film: 100K ohms ±5%, 50 VDCW,         176 Wat.           Metal film: 100K ohms ±5%, 50 VDCW,         176 Wat.           Metal film: 100K ohms ±5%, 50 VDCW,         176 Wat.           CV202         R215         Metal film: 100K ohms ±5%, 50 VDCW,          FILTER	HITACHI HSU88.         716 Watt.           CV201        VARIABLE CAPACITOR         R213           Metal film: 100K ohms ±5%, 50 VDCW,         1/16 Watt.           Metal film: 100K ohms ±5%, 50 VDCW,         1/16 Watt.           CV202         R213         Metal film: 100K ohms ±5%, 50 VDCW,           Metal film: 10K ohms ±5%, 50 VDCW,         1/16 Watt.         Metal film: 10K ohms ±5%, 50 VDCW,           CV202	CD278					1/16 Watt.
HTACH HSU88.         716 Wat.           CV201        VARIABLE CAPACITOR         R211           Metal film: 100K ohms ±5%, 50 VDCW,         176 Wat.           Metal film: 100K ohms ±5%, 50 VDCW,         176 Wat.           Metal film: 100K ohms ±5%, 50 VDCW,         176 Wat.           CV202         R215         Metal film: 100K ohms ±5%, 50 VDCW,          FILTER	HITACHI HSU88.         R211         Metal film: 100K ohms ±5%, 50 VDCW, 1716 Wat.           CV201         Variable: 10 pF max.         R213         Metal film: 100K ohms ±5%, 50 VDCW, 1716 Wat.           CV202         R215         Metal film: 100K ohms ±5%, 50 VDCW, 1716 Wat.         Metal film: 100K ohms ±5%, 50 VDCW, 1716 Wat.           CV202        FILTER			Silicon: Schottky Barrier Diode: sim to	R210		Metal film: 470K ohms ±5%, 50 VDCW.
CV201        VARIABLE CAPACITOR         R211         Metal film:: 100K chms ±5%, 50 VDCW, Inf6 Watt.           CV201         Variable:: 10 pF max.         R213         Metal film:: 30 ohms ±5%, 200 VDCW, Inf6 Watt.           CV202	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						1/16 Watt
CV201 and CV202        VARIABLE CAPACITOR Variable: 10 pF max.         R214         1/16 Watt.           CV202         Variable: 10 pF max.         R214         Metal film: 300 ohms ±5%, 200 VDCW, 1/4 Watt.           CV202         FILTER	CV201        VARIABLE CAPACITOR         R213         Hits film: 0 hom.           CV201         Variable: 10 pF max.         R214         Metal film: 300 ohms ±5%, 200 VDCW,           CV202        FILTER				R211		
CV201 and CV202         Variable: 10 pF max.         R 213 R 214         Metal film: 0 ohm. Metal film: 30 ohms ±5%, 200 VDCW, 1/4 Watt.           CV202         Variable: 10 pF max.         R 213 R 215         Metal film: 30 ohms ±5%, 200 VDCW, 1/10 Watt.           FL204         EMI Filter.         R 216 Metal film: 150K ohms ±5%, 50 VDCW, 1/10 Watt.         Metal film: 150K ohms ±5%, 50 VDCW, 1/10 Watt.           FL204         EMI Filter.         R 217 INTEGRATED CIRCUITS ism to MOTOROLA MC145f59FN.         R 218 R 218         Metal film: 150K ohms ±5%, 50 VDCW, 1/16 Watt.           IC201         Synthesizer: CMOS serial input: sim to MOTOROLA MC145f59FN.         R 219         Metal film: 15 ohms ±5%, 50 VDCW, 1/16 Watt.           IC202         Linear, Dual OP Amp; sim to NITSUBISH MS223FP.         R 220 Huru         Metal film: 10 K ohms ±5%, 50 VDCW, 1/16 Watt.           IC204         Digital, Bilateral switch; sim to MOTOROLA MC14066BF.         R 224 R 228         Metal film: 10 K ohms ±5%, 50 VDCW, 1/10 Watt.           IC205         Prescaler: sim to MOTOROLA MC12022SLAD.         R 229         Metal film: 10 K ohms ±5%, 50 VDCW, 1/10 Watt.           IC206         R 7 wide band amplifier: sim to NEC PC1675G.         R 229         Metal film: 10 K ohms ±5%, 50 VDCW, 1/16 Watt.           IC207         Linear: Dual Comparator, sim to MITSUBISH M523FP.         R 230         Metal film: 10 K ohms ±5%, 50 VDCW, 1/16 Watt.         Metal film: 2X ohms ±5%, 50 VDCW, 1/16					10211		
CV201 and CV202         Variable: 10 pF max.         R214         Metal film: 30 ohms ±5%, 200 VDCW, 1/4 Watt.           CV202	CV201 and CV202         Variable: 10 pF max.         R 214         Metal film: 30 ohms ±5%, 200 VDCW, 1/4 Watt.           CV202				D040		
and CV202         Image: Constraint of the constrai	and CV202         Image: Constraint of the constrai	CV/201		Variable: 10 pE may			
CV202	CV202			valiable. To pr max.	R214		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $						
FL204        FILTER	FL204        FILTER	CV202			R215		Metal film: 10K ohms ±5% 100 VDCW,
FL204         EMI Filter.         Interaction of the set	FL204         EMI Filter.         Intervent         1/16 Wait.         1/16 Wait.           IC201         Synthesizer: CMOS serial input; sim to MOTOROLA MC145159FN.         R218         Metal film: 6.8K ohms ±5%, 50 VDCW, 1/16 Wait.           IC202         Linear, Dual OP Amp; sim to MITSUBISHI M5223FP.         R219         Metal film: 15 ohms ±5%, 50 VDCW, 1/16 Wait.           IC204         Digital, Bitareal switch; sim to MITSUBISHI M5223FP.         R220         Metal film: 16 ko hms ±5%, 50 VDCW, 1/16 Wait.           IC204         Digital, Bitareal switch; sim to MOTOROLA MC14066BF.         R226         Metal film: 47 ohms ±5%, 50 VDCW, 1/10 Wait.           IC205         Prescaler: sim to MOTOROLA MOTOROLA MC14066BF.         R226         Metal film: 220K ohms ±5%, 50 VDCW, 1/16 Wait.           IC206         RF wide band amplifier: sim to MCC PC1675G.         R229         Metal film: 220K ohms ±5%, 50 VDCW, 1/16 Wait.           IC207         Linear: Dual Comparator; sim to MTSUBISHI M5235FP.         R230         Metal film: 22X ohms ±5%, 50 VDCW, 1/16 Wait.           IC204         Choke Coi: 0.18 $\mu$ H ±10%.         R231         Metal film: 22K ohms ±5%, 50 VDCW, 1/16 Wait.           IC207         Linear: Positive Voltage Regulator; sim to PANASONIC AN654.1.         R230         Metal film: 22K ohms ±5%, 50 VDCW, 1/16 Wait.           IL201         Choke Coi: 0.18 $\mu$ H ±10%.         R233         Metal film: 100K ohms ±5%, 50 VDCW,						1/10 Watt.
FL204         EMI Filter.         R217         Metal film: 6.8K ohms ±5%, 50 VDCW, 1/16 Watt.           IC201         Synthesizer: CMOS serial input; sim to MOTOROLA MC145159FN.         R218         Metal film: 3.3K ohms ±5%, 50 VDCW, 1/16 Watt.           IC202         Linear, Dual OP Amp; sim to MITSUBISHI MS223FP.         R219         Metal film: 10 kohms ±5%, 50 VDCW, 1/16 Watt.           IC203         Linear, Dual OP Amp; sim to MITSUBISHI MS223FP.         R220         Metal film: 20 kohms ±5%, 50 VDCW, 1/16 Watt.           IC204         Digital, Bilateral switch: sim to MOTOROLA MC140668F.         R225         Metal film: 0 ohm. 1/10 Watt.           IC205         Prescaler: sim to MOTOROLA MC12022SLAD.         R226         Metal film: 0 ohm. 1/16 Watt.           IC206         RF wide band amplifier: sim to NE CPC1675G.         R228         Metal film: 20K ohms ±5%, 50 VDCW, 1/16 Watt.           IC207         Linear: Dual Comparator; sim to MITSUBISHI MS23FP.         R230         Metal film: 2X ohms ±5%, 50 VDCW, 1/16 Watt.           IL0230         Linear: Dual Comparator; sim to MITSUBISHI MS23FP.         R231         Metal film: 2X ohms ±5%, 50 VDCW, 1/16 Watt.           IL024         Cohce Coil: 10 µH ±10%.         R233         Metal film: 2X ohms ±5%, 50 VDCW, 1/16 Watt.           IL024         Cohce Coil: 10 µH ±10%.         R234         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           IL1042	FL204         EMI Filter.         R217         Metal film: 6.8K ohms ±5%, 50 VDCW, 1/16 Watt.           IC201         Synthesizer: CMOS serial input; sim to MOTOROLA MC145159FN.         R218         Metal film: 3.3K ohms ±5%, 50 VDCW, 1/16 Watt.           IC202         Linear, Dual OP Amp; sim to MITSUBISHI MS223FP.         R219         Metal film: 10 kohms ±5%, 50 VDCW, 1/16 Watt.           IC203         Linear, Dual OP Amp; sim to MITSUBISHI MS223FP.         R220         Metal film: 47 ohms ±5%, 50 VDCW, 1/16 Watt.           IC204         Digital, Bilateral switch: sim to MOTOROLA MC140668F.         R225         Metal film: 47 ohms ±5%, 50 VDCW, 1/10 Watt.           IC205         Prescaler: sim to MOTOROLA MC12022SLAD.         R226         Metal film: 20K ohms ±5%, 50 VDCW, 1/16 Watt.           IC206         RF wide band amplifier: sim to NEC PC1675G.         R228         Metal film: 20K ohms ±5%, 50 VDCW, 1/16 Watt.           IC207         Linear: Dual Comparator; sim to MITSUBISHI MS239FP.         R230         Metal film: 2.7K ohms ±5%, 50 VDCW, 1/16 Watt.           ILeaer: Positive Voltage Regulator; sim to PANASONIC AN6541.         R231         Metal film: 2.8K ohms ±5%, 50 VDCW, 1/16 Watt.           L201         Choke Coil: 0.18 µH ±10%.         R233         Metal film: 2.2K ohms ±5%, 50 VDCW, 1/16 Watt.           L241         Coil: Dielectric resonator.         R238         Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.			FILTER	R216		Metal film: 150K ohms ±5%, 50 VDCW,
Image: Constraint of the	Image: Construct of the second sec						1/16 Watt.
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	FL204		EMI Filter.	R217		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				14217		
				INTEGRATED CIRCUITS	<b>D</b> 210		
IC201       Synthesizer: CMOS senal input; sim to MOTOROLA MC145159FN.       R219       Metal film: 15 ohms $\pm 5\%$ , 50 VDCW, 176 Watt.         IC202       Linear, Dual OP Amp; sim to MITSUBISHI M5223FP.       R220       thru         IC203       Linear, Dual OP Amp; sim to NEW JRC NJM3404AM.       R225       Metal film: 10 k ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         IC204       Digital, Bilateral switch: sim to MOTOROLA MC14066BF.       R226       Metal film: 27 ohms $\pm 5\%$ , 50 VDCW, 1710 Watt.         IC205       Prescaler: sim to MOTOROLA MC12022SLAD.       R228       Metal film: 20K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         IC206       RF wide band amplifier: sim to MC1022SLAD.       R228       Metal film: 22K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         IC207       Linear: Dual Comparator; sim to MTSUBISHI M5233FP.       R230       Metal film: 2.7K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         IC230       Linear: Positive Voltage Regulator; sim to PANASONIC AN6541.       R231       Metal film: 2.2K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         L201       Choke Coil: 10 µH $\pm 10\%$ .       R233       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         L241       Coil: Dielectric resonator.       R235       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         L241       Coil: Dielectric resonator.       R235       Metal film: 20K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         L244       Coil: Dielectric resonator	IC201       Synthesizer: CMOS senal input; sim to MOTOROLA MC145159FN.       R219       Metal film: 15 ohms $\pm 5\%$ , 50 VDCW, 176 Watt.         IC202       Linear, Dual OP Amp; sim to MITSUBISHI M5223FP.       R220       thru         IC203       Linear, Dual OP Amp; sim to NEW JRC NJM3404AM.       R225       Metal film: 16 ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         IC204       Digital, Bilateral switch: sim to MOTOROLA MC14066BF.       R226       Metal film: 47 ohms $\pm 5\%$ , 100 VDCW, 1710 Watt.         IC205       Prescaler: sim to MOTOROLA MC12022SLAD.       R228       Metal film: 20K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         IC206       RF wide band amplifier: sim to MC1202SLAD.       R228       Metal film: 22K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         IC207       Linear: Dual Comparator; sim to MTSUBISHI M5233FP.       R230       Metal film: 2.7K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         IC230       Linear: Positive Voltage Regulator; sim to PANASONIC AN6541.       R231       Metal film: 2.2K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         L201       Choke Coil: 10 µH $\pm 10\%$ .       R233       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         L241       Coil: Dielectric resonator.       R235       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         L241       Coil: Dielectric resonator.       R235       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1716 Watt.         L244       Coil: Dielectric resonator.				RZ10		
IC202       sim to MOTOROLA MC145159FN.       R219       Metal film: 15 ohms $\pm 5\%$ , 50 VDCW,         IC203       Linear, Dual OP Amp; sim to       R220       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW,         IC203       Linear, Dual OP Amp; sim to       R221       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW,         IC204       Digital, Bilateral switch: sim to       R225       Metal film: 47 ohms $\pm 5\%$ , 100 VDCW,         IC204       Digital, Bilateral switch: sim to       R226       Metal film: 0 ohm.         IC205       Prescaler: sim to MOTOROLA       R228       Metal film: 20K ohms $\pm 5\%$ , 50 VDCW,         IC206       RF wide band amplifier: sim to       R228       Metal film: 22K ohms $\pm 5\%$ , 50 VDCW,         IC207       Linear: Dual Comparator; sim to       R230       Metal film: 22K ohms $\pm 5\%$ , 50 VDCW,         IC230       MITSUBISHI M5233FP.       R231       Metal film: 22K ohms $\pm 5\%$ , 50 VDCW,         IC230       Linear: Dual Comparator; sim to       R232       Metal film: 22K ohms $\pm 5\%$ , 50 VDCW,         I/16 Watt.	IC202         sim to MOTOROLA MC145159FN.         R219         Metal time: 15 ohms ±5%, 50 VDCW, 1/16 Watt.           IC203         Linear, Dual OP Amp; sim to MITSUBISHI M5223FP.         thru         1/16 Watt.           IC204         Digital, Bilateral switch: sim to MOTOROLA MC140668F.         R225         Metal film:: 10K ohms ±5%, 50 VDCW, 1/10 Watt.           IC205         Prescaler: sim to MOTOROLA MC140668F.         R226         Metal film:: 0 ohm.           IC206         RF wide band amplifier: sim to MC12022SLAD.         R228         Metal film:: 20K ohms ±5%, 50 VDCW, 1/16 Watt.           IC207         Linear. Dual Comparator; sim to NEC PC1675G.         R229         Metal film:: 18K ohms ±5%, 50 VDCW, 1/16 Watt.           IC230         Linear. Dual Comparator; sim to NEC PC1675G.         R230         Metal film:: 27K ohms ±5%, 50 VDCW, 1/16 Watt.           IC230         Linear. Dual Comparator; sim to NEC PC1675G.         R231         Metal film:: 22K ohms ±5%, 50 VDCW, 1/16 Watt.           IL230         Linear. Dual Comparator; sim to PANASONIC AN6541.         R232         Metal film:: 22K ohms ±5%, 50 VDCW, 1/16 Watt.           IL241         Choke Coil: 0.18 $\mu$ H ±10%.         R233         Metal film:: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           L241         Coil: Dielectric resonator.         R235         Metal film:: 10K ohms ±5%, 50 VDCW, 1/16 Watt.           L244         Coil: 0.18 $\mu$ H ±1	IC201		Synthesizer: CMOS serial input:			
					R219		
$ \begin{bmatrix} 1203 \\ MITSUBISHI M5223FP. \\ Linear, Dual OP Amp, sim to \\ NEW JRC NJM3404AM. \\ NEW JRC NJM3404AM. \\ R224 \\ R225 \\ Metal film: 47 ohms \pm 5\%, 50 VDCW, \\ 1/10 Watt. \\ Metal film: 20K ohms \pm 5\%, 50 VDCW, \\ 1/10 Watt. \\ Metal film: 20K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 20K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 20K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ R228 \\ Metal film: 20K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ R229 \\ Metal film: 21K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 21K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 10K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 10K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ L201 \\ L201 \\ L201 \\ Choke Coil: 0.18 \mu H \pm 10\%. \\ R232 \\ L21 \\ Coil: Dielectric resonator. \\ Coil: Dielectric resonator. \\ Choke Coil: 0.18 \mu H \pm 10\%. \\ R238 \\ Choke Coil: 0.47 \mu H \pm 10\%. \\ R238 \\ Metal film: 27K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ R234 \\ Metal film: 20K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ R234 \\ Metal film: 10K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ L244 \\ Choke Coil: 0.18 \mu H \pm 10\%. \\ R236 \\ R238 \\ Metal film: 27K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ R238 \\ Metal film: 27K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ R234 \\ Metal film: 27K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ R234 \\ Metal film: 27K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ R234 \\ Metal film: 27K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. \\ R236 \\ R238 \\ Metal film: 27K ohms \pm 5\%, 100 VDCW, \\ 1/10 Watt. \\ R241 \\ Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/10 Watt \\ Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/10 Watt \\ Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/10 Watt \\ Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/10 Watt \\ Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/10 Watt \\ Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/10 Watt \\ Metal film: 5.8K ohms \pm 5\%, 100 $	$ \begin{bmatrix} 1203 \\ MITSUBISHI M5223FP. \\ Linear, Dual OP Amp, sim to \\ NEW JRC NJM3404AM. \\ NEW JRC NJM3404AM. \\ R224 \\ R225 \\ Metal film: 47 ohms ±5%, 100 VDCW, \\ 1/16 Watt. \\ Metal film: 20K ohms ±5%, 50 VDCW, \\ 1/10 Watt. \\ Metal film: 20K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 22K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 10K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ Metal film: 10K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ L201 \\ L201 \\ L201 \\ Coke Coil: 10 \mu H ±10\%. \\ R232 \\ L240 \\ and \\ L240 \\ and \\ L241 \\ L242 \\ Coil: Dielectric resonator. \\ Coil: Dielectric resonator. \\ Choke Coil: 0.18 \mu H ±10\%. \\ R238 \\ Choke Coil: 0.47 \mu H ±10\%. \\ R238 \\ Choke Coil: 0.18 \mu H ±10\%. \\ R238 \\ Metal film: 27K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ R234 \\ Metal film: 27K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ R234 \\ Metal film: 27K ohms ±5\%, 50 VDCW, \\ 1/16 Watt. \\ L242 \\ Coil: Dielectric resonator. \\ Choke Coil: 0.47 \mu H ±10\%. \\ R236 \\ R238 \\ Metal film: 27K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ L244 \\ Choke Coil: 0.18 \mu H ±10\%. \\ R241 \\ Metal film: 27K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 27K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 2.2K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 2.2K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 6.8K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 6.8K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 6.8K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 6.8K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 6.8K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 6.8K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 6.8K ohms ±5\%, 100 VDCW, \\ 1/10 Watt. \\ Metal film: 5.8K ohms ±5\%, 10$	10202					1/16 Watt.
		10202			R220		Metal film: 10K ohms ±5%, 50 VDCW,
					thru		1/16 Watt.
$ \begin{bmatrix} NEW \ JRC \ NM3404 AM. \\ Digital, Bilateral switch: sim to \\ MOTOROLA \ MC10 AC14066BF. \\ Prescaler: sim to \ \mathsf{MOTOROLA \ MC12022SLAD. \\ MC12022SLAD. \\ IC206 \\ RF \ wide \ band \ amplifier: sim to \\ \mathsf{NEC \ PC1675G. \\ Linear: Dual \ Comparator; sim to \\ \mathsf{MTSUBISHI \ M5233FP. \\ IC230 \\ Linear: Positive \ Voltage \ Regulator; \\ sim to \ \mathsf{PANASONIC \ AN6541. \\ MC12 \\ Linear: Coll.S \\ R231 \\ Metal \ film: 22K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 22K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 22K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 22K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ MEtal \ film: 22K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 22K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 22K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 22K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 22K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 10K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 20K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/16 \ Watt.  \\ Metal \ film: 20K \ ohms \pm 5\%, 50 \ VDCW, \\ \mathsf{1/10 \ Watt.  \\ Metal \ film: 20K \ ohms \pm 5\%, 100 \ VDCW, \\ \mathsf{1/10 \ Watt.  \\ \mathsf{Metal \ film: 20$	$ \begin{bmatrix} NEW \ JRC \ NM3404AM, \\ Digital, Bilateral switch: sim to \\ MOTOROLA \ MC10 \ NC1 \ MC1 \ \mathsf{$	IC203			R224		
				NEW JRC NJM3404AM.			Motal film: 47 abms +5% 100 V/DCW
$ \begin{bmatrix} 100000000000000000000000000000000000$	$ \begin{bmatrix} 100000000000000000000000000000000000$	IC204		Digital, Bilateral switch: sim to	RZZ0		
$ \begin{array}{c ccccc} IC205 & Prescaler: sim to MOTOROLA & R228 & Metal film: 0 Onth. \\ MC12022SLAD. & R228 & Metal film: 20K ohms \pm 5\%, 50 VDCW, \\ MC12022SLAD. & RF wide band amplifier: sim to \\ NECC PC1675G. & R229 & Metal film: 21K ohms \pm 5\%, 50 VDCW, \\ I/16 Watt. & Metal film: 2.7K ohms \pm 5\%, 50 VDCW, \\ I/16 Watt. & MITSUBISHI M5233FP. & R230 & Metal film: 2.7K ohms \pm 5\%, 50 VDCW, \\ I/16 Watt. & MITSUBISHI M5233FP. & R231 & Metal film: 2.7K ohms \pm 5\%, 50 VDCW, \\ I/16 Watt. & MITSUBISHI M5233FP. & R231 & Metal film: 1.5K ohms \pm 5\%, 50 VDCW, \\ I/16 Watt. & Metal film: 1.5K ohms \pm 5\%, 50 VDCW, \\ I/16 Watt. & Metal film: 1.5K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & Metal film: 1.5K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & Metal film: 1.5K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & Metal film: 1.5K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & Metal film: 1.0K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & R233 & Metal film: 10K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & R234 & Metal film: 10K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & R234 & Metal film: 10K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & R234 & Metal film: 10K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & R234 & Metal film: 10K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & R234 & Metal film: 10K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & R234 & Metal film: 10K ohms \pm 5\%, 50 VDCW, \\ 1/16 Watt. & R234 & Metal film: 270K ohms \pm 5\%, 50 VDCW, 1/16 Watt. \\ 1/244 & Choke Coil: 0.18 \mu H \pm 10\%. & R238 & Metal film: 2.2K ohms \pm 5\%, 100 VDCW, 1/10 Watt. \\ 1/249 & Coil: RF 19 nH \pm 10\%. & R240 & Metal film: 2.2K ohms \pm 5\%, 100 VDCW, 1/10 Watt. \\ 1/270 & Choke Coil: 0.18 \mu H \pm 10\%. & R241 & Metal film: 6.8K ohms \pm 5\%, 100 VDCW, 1/10 Watt. \\ 1/271 & R241 & Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/200 Watt. & R241 & Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/200 Watt. & R241 & Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/200 Watt. & R241 & Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/200 Watt. & R241 & Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/200 Watt. & R241 & Metal film: 6.8K ohms \pm 5\%, 100 VDCW, \\ 1/200 $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$			<b>S</b>			
$ \begin{bmatrix} 12206 \\ 12207 \\ 12207 \\ 12207 \\ 12230 \\ 1$	$ \begin{bmatrix} 12206 \\ 11207 \\ 11207 \\ 11207 \\ 11207 \\ 11202 \\ 11207 \\ 11202 \\ 1$	IC205					
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	IC206RF wide band amplifier: sim to NEC PC1675G.R2291/16 Watt. Metal film: 18K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.IC207Linear: Dual Comparator; sim to MITSUBISHI M5233FP.R230Metal film: 18K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.IC230Linear: Positive Voltage Regulator; sim to PANASONIC AN6541.R231Metal film: 22K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L201Choke Coil: $10 \ \mu\text{H} \pm 10\%$ .R232Metal film: 1.5K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L240Choke Coil: $0.18 \ \mu\text{H} \pm 10\%$ .R233Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L241Coil: Dielectric resonator. Choke Coil: $0.18 \ \mu\text{H} \pm 10\%$ .R235 and AddMetal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L243Coil: Dielectric resonator. Choke Coil: $0.18 \ \mu\text{H} \pm 10\%$ .R236 R238Metal film: 270K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.L249Coil: R F 19 nH $\pm 10\%$ .R240Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.L270Choke Coil: $0.18 \ \mu\text{H} \pm 10\%$ .R241	.0200			R228		
IC207NEC PC1675G.R229Metal film: 15K onms $\pm 5\%$ , 50 VDCW, 1/16 Watt.IC230Linear: Dual Comparator; sim to MITSUBISHI M5233FP.R2301/16 Watt.IC230Linear: Positive Voltage Regulator; sim to PANASONIC AN6541.R231Metal film: 2.7K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L201Choke Coil: $10 \mu\text{H} \pm 10\%$ .R232Metal film: 1.5K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L201Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R233Metal film: 22K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L240Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R233Metal film: 22K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L241Coil: Dielectric resonator. Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R235Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L244Coile: Dielectric resonator. Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R236Metal film: 270K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.L249Coil: RF 19 nH \pm 10\%. Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R240Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.L270Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R240Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.L271Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R240	IC207NEC PC1675G.R229Metal film: 18K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.IC230Linear: Dual Comparator; sim to MITSUBISHI M5233FP.R2301/16 Watt. Metal film: 2.7K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.IC230Linear: Positive Voltage Regulator; sim to PANASONIC AN6541.R231Metal film: 2.2K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L201Choke Coil: $10 \mu\text{H} \pm 10\%$ .R232Metal film: 1.5K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L240Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R233Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L241Coil: Dielectric resonator. Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R235Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L244Coike Coil: $0.18 \mu\text{H} \pm 10\%$ .R236Metal film: 22K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L245Coil: Dielectric resonator. Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R236L245Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R238L249Coil: RF 19 nH \pm 10\%.R238L249Coil: RF 19 nH \pm 10\%.R240L270Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R240And L271R241Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.	10200					1/16 Watt.
IC207NEC PC1675G.1/16 Watt.Linear: Dual Comparator; sim to MITSUBISHI M5233FP.R2301/16 Watt.IC230Linear: Positive Voltage Regulator; sim to PANASONIC AN6541.R231Metal film: 2.7K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L201Choke Coil: $10 \mu\text{H} \pm 10\%$ .R233Metal film: 1.5K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L240Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R233Metal film: 1.5K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L241Coil: Dielectric resonator.R235Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L243Coil: Dielectric resonator.R235L244Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R236L245Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R236L244Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R236L245Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R236L249Coil: RF 19 nH \pm 10\%.R236L249Coil: RF 19 nH \pm 10\%.R240L270Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R240L271R241Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW,	IC207NEC PC1675G.1/16 Watt.Linear: Dual Comparator; sim to MITSUBISHI M5233FP.R2301/16 Watt.IC230Linear: Positive Voltage Regulator; sim to PANASONIC AN6541.R231Metal film: 2.7K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L201Choke Coil: $10 \mu\text{H} \pm 10\%$ .R233Metal film: 1.5K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L240Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R233Metal film: 1.5K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L241Coil: Dielectric resonator.R235Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.L243Coil: Dielectric resonator.R235L244Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R236L245Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R236L244Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R236L245Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R236L249Coil: RF 19 nH \pm 10\%.R236L249Coil: RF 19 nH \pm 10\%.R240L270Choke Coil: $0.18 \mu\text{H} \pm 10\%$ .R240L271R241Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW,	10200			R229		Metal film: 18K ohms ±5%, 50 VDCW,
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	104					
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	IC207		,	R230		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	IC230		Linear: Positive Voltage Regulator;	D224		
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $			sim to PANASONIC AN6541.	K231		
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			COIL S	R232		
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			00120			1/16 Watt.
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1 201		Choke Coil: 10 uH +10%	R233		Metal film: 22K ohms ±5%, 50 VDCW,
L240Cricke Coll: 0.18 $\mu$ H ±10%.R234Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.L241L242Coll: Dielectric resonator.R235Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.L243Choke Coll: 0.47 $\mu$ H ±10%.R236Metal film: 210K ohms ±5%, 50 VDCW, 1/16 Watt.L244Choke Coll: 0.18 $\mu$ F ±10%.R238L245Choke Coll: 33 nH ±10%.R238L249Coll: RF 19 nH ±10%.R240L270Choke Coll: 0.18 $\mu$ H ±10%.R240L271R241Metal film: 2.2K ohms ±5%, 100 VDCW, 1/10 Watt.	L240Cricke Coll: 0.18 $\mu$ H ±10%.R234Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.L241L242Coll: Dielectric resonator.R235Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.L243Choke Coll: 0.47 $\mu$ H ±10%.R236Metal film: 210K ohms ±5%, 50 VDCW, 1/16 Watt.L244Choke Coll: 0.18 $\mu$ F ±10%.R238Metal film: 270K ohms ±5%, 100 VDCW, 1/10 Watt.L249Coll: RF 19 nH ±10%.R240Metal film: 2.2K ohms ±5%, 100 VDCW, 1/10 Watt.L270Choke Coll: 0.18 $\mu$ H ±10%.R241Metal film: 6.8K ohms ±5%, 100 VDCW, 1/10 Watt.						
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $			στισκε σοιι. υ. ιδ μ⊓ ±10%.	R234		
L241     Coil: Dielectric resonator.     R235     Metal film: 10K ohms ±5%, 50 VDCW,       L243     Choke Coil: 0.47 μH ±10%.     R236     1/16 Watt.       L244     Choke Coil: 0.18 μF ±10%.     R236     Metal film: 270K ohms ±5%, 100 VDCW,       L245     Choke Coil: 0.33 nH ±10%.     R238     Metal film: 270K ohms ±5%, 100 VDCW,       L249     Coil: RF 19 nH ±10%.     R240     Metal film: 2.2K ohms ±5%, 100 VDCW,       L270     Choke Coil: 0.18 μH ±10%.     R240     Metal film: 2.2K ohms ±5%, 100 VDCW,       L271     R241     Metal film: 6.8K ohms ±5%, 100 VDCW,	L241       Coil: Dielectric resonator.       R235       Metal film: 10K ohms ±5%, 50 VDCW,         L243       Choke Coil: 0.47 μH ±10%.       R236       1/16 Watt.         L244       Choke Coil: 0.18 μF ±10%.       R236       Metal film: 270K ohms ±5%, 100 VDCW,         L245       Choke Coil: 33 nH ±10%.       R238       Metal film: 270K ohms ±5%, 100 VDCW,         L249       Coil: RF 19 nH ±10%.       R240       Metal film: 2.2K ohms ±5%, 100 VDCW,         L270       Choke Coil: 0.18 μH ±10%.       R240       Metal film: 6.8K ohms ±5%, 100 VDCW,         L271       R241       Metal film: 6.8K ohms ±5%, 100 VDCW,       1/10 Watt.				11207		
L242     Coli. Dielectric resonation.     and     1/16 Watt.       L243     Choke Coli: 0.47 μH ±10%.     R236     Metal film: 270K ohms ±5%, 100 VDCW,       L244     Choke Coli: 0.18 μF ±10%.     R238     Metal film: 270K ohms ±5%, 100 VDCW,       L249     Coli: RF 19 nH±10%.     R240     Metal film: 2.2K ohms ±5%, 100 VDCW,       L270     Choke Coli: 0.18 μH ±10%.     R240     Metal film: 2.2K ohms ±5%, 100 VDCW,       L271     R241     Metal film: 6.8K ohms ±5%, 100 VDCW,	L242     Coli. Dielectric resonation.     and     1/16 Watt.       L243     Choke Coli: 0.47 μH ±10%.     R236     Metal film: 270K ohms ±5%, 100 VDCW,       L244     Choke Coli: 0.18 μF ±10%.     R238     Metal film: 270K ohms ±5%, 100 VDCW,       L249     Coli: RF 19 nH±10%.     R240     Metal film: 2.2K ohms ±5%, 100 VDCW,       L270     Choke Coli: 0.18 μH ±10%.     R240     Metal film: 2.2K ohms ±5%, 100 VDCW,       L271     R241     Metal film: 6.8K ohms ±5%, 100 VDCW,				D005		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	L242		Coil: Dielectric resonator.			
L244         Choke Coil: 0.18 μF ±10%.         R236 R238         Metal film: 270K ohms ±5%, 100 VDCW, 1/10 Watt.           L249         Coil: RF 19 nH ±10%.         R240         Metal film: 2.2K ohms ±5%, 100 VDCW, 1/10 Watt.           L270         Choke Coil: 0.18 μH ±10%.         R240         Metal film: 6.8K ohms ±5%, 100 VDCW, 1/10 Watt.           L271         R241         Metal film: 6.8K ohms ±5%, 100 VDCW,	L244         Choke Coil: 0.18 μF ±10%.         R236 R238         Metal film: 270K ohms ±5%, 100 VDCW, 1/10 Watt.           L249         Coil: RF 19 nH ±10%.         R240         Metal film: 2.2K ohms ±5%, 100 VDCW, 1/10 Watt.           L270         Choke Coil: 0.18 μH ±10%.         R240         Metal film: 2.2K ohms ±5%, 100 VDCW, 1/10 Watt.           L271         R241         Metal film: 6.8K ohms ±5%, 100 VDCW,	L243		Choke Coil: 0.47 μH ±10%.			1/16 Watt.
L245         Choke Coil: 33 nH±10%.         R238         Metal film: 270K ohms ±5%, 100 VDCW,           L249         Coil: RF 19 nH±10%.         1/10 Watt.           L270         Choke Coil: 0.18 μH ±10%.         R240           and         L271         R241	L245         Choke Coil: 33 nH±10%.         R238         Metal film: 270K ohms ±5%, 100 VDCW,           L249         Coil: RF 19 nH±10%.         1/10 Watt.           L270         Choke Coil: 0.18 μH ±10%.         R240           and         R241         Metal film: 6.8K ohms ±5%, 100 VDCW,				R236		
L249         Coli: RF 19 nH±10%.         R240         1/10 Watt.           L270         Choke Coil: 0.18 μH±10%.         R240         Metal film: 2.2K ohms±5%, 100 VDCW,           and         L271         R241         Metal film: 6.8K ohms±5%, 100 VDCW,	L249         Coli: RF 19 nH±10%.         1/10 Watt.           L270         Choke Coil: 0.18 μH±10%.         R240           L271         R241         Metal film: 2.2K ohms±5%, 100 VDCW, 1/10 Watt.				R238		Metal film: 270K ohms ±5%, 100 VDCW,
L249         Coll. RF 19 III ± 10%.         R240         Metal film: 2.2K ohms ±5%, 100 VDCW, 1/10 Watt.           and         L271         R241         Metal film: 6.8K ohms ±5%, 100 VDCW, 1/10 Watt.	L270         Coli. RF 19 Inf ±10%.         R240         Metal film: 2.2K ohms ±5%, 100 VDCW, 1/10 Watt.           and         L271         R241         Metal film: 6.8K ohms ±5%, 100 VDCW, 1/10 Watt.						
L270         Choke Coll. 0.18 μH ±10%.         1/10 Watt.           and         L271         R241         Metal film: 6.8K ohms ±5%, 100 VDCW,	L270         Choke Coll. 0.18 μH ±10%.         1/10 Watt.           and         L271         R241         Metal film: 6.8K ohms ±5%, 100 VDCW,				P240		
R241 Metal film: 6.8K ohms ±5%, 100 VDCW,	R241 Metal film: 6.8K ohms ±5%, 100 VDCW,	L270		Choke Coil: 0.18 μH ±10%.	11240		
L271 R241 Metal film: 6.8K ohms ±5%, 100 VDCW,	L271 R241 Metal film: 6.8K ohms ±5%, 100 VDCW,	and			<b>DA</b> <i>U</i>		
1/10 Watt.	1/10 Watt.				R241		
							1/10 Watt.

R242         Metal film: 2.2K ohms ±5%, 100 VDCW, 1/10 Watt.           R244         Metal film: 150 ohms ±5%, 100 VDCW, 1/10 Watt.           R245         Metal film: 5.6K ohms ±5%, 100 VDCW, 1/10 Watt.           R246         Metal film: 15.0K ohms ±5%, 100 VDCW, 1/10 Watt.           R247         Metal film: 12 ohms ±5%, 100 VDCW, 1/10 Watt.           R248         Metal film: 12 ohms ±5%, 100 VDCW, 1/10 Watt.           R249         Metal film: 20 ohms ±5%, 100 VDCW, 1/10 Watt.           R250         Metal film: 20 ohms ±5%, 100 VDCW, 1/10 Watt.           R251         Metal film: 20 ohms ±5%, 100 VDCW, 1/10 Watt.           R260         Metal film: 200 ohms ±5%, 100 VDCW, 1/10 Watt.           R271         Metal film: 30K ohms ±5%, 100 VDCW, 1/10 Watt.           R272         Metal film: 30K ohms ±5%, 100 VDCW, 1/10 Watt.           R273         Metal film: 30K ohms ±5%, 100 VDCW, 1/10 Watt.           R274         Metal film: 30K ohms ±5%, 100 VDCW, 1/10 Watt.           R275         Metal film: 5.6K ohms ±5%, 100 VDCW, 1/10 Watt.           R276         Metal film: 5.6K ohms ±5%, 100 VDCW, 1/10 Watt.           R278         Metal film: 15 ohms ±5%, 100 VDCW, 1/10 Watt.           R281         Metal film: 15.6K ohms ±5%, 100 VDCW, 1/10 Watt.           R282         Metal film: 10K ohms ±5%, 100 VDCW, 1/10 Watt.           R284         Meta	SYMBOL	PART NUMBER	DESCRIPTION
R244         Metal film: 150 ohms ±5%, 100 VDCW, 1/10 Watt.           R245         Metal film: 5.6K ohms ±5%, 100 VDCW, 1/10 Watt.           R246         Metal film: 120 ohms ±5%, 100 VDCW, 1/10 Watt.           R247         Metal film: 120 ohms ±5%, 100 VDCW, 1/10 Watt.           R248         Metal film: 120 ohms ±5%, 100 VDCW, 1/10 Watt.           R249         Metal film: 120 ohms ±5%, 100 VDCW, 1/10 Watt.           R250         Metal film: 120 ohms ±5%, 100 VDCW, 1/10 Watt.           R251         Metal film: 100 ohms ±5%, 100 VDCW, 1/10 Watt.           R260         Metal film: 100 ohms ±5%, 100 VDCW, 1/10 Watt.           R271         Metal film: 33K ohms ±5%, 100 VDCW, 1/10 Watt.           R272         Metal film: 33K ohms ±5%, 100 VDCW, 1/10 Watt.           R273         Metal film: 33K ohms ±5%, 100 VDCW, 1/10 Watt.           R274         Metal film: 6.8K ohms ±5%, 100 VDCW, 1/10 Watt.           R275         Metal film: 2.2K ohms ±5%, 100 VDCW, 1/10 Watt.           R276         Metal film: 2.2K ohms ±5%, 100 VDCW, 1/10 Watt.           R279         Metal film: 150 ohms ±5%, 100 VDCW, 1/10 Watt.           R280         Metal film: 150 ohms ±5%, 100 VDCW, 1/10 Watt.           R281         Metal film: 120 ohms ±5%, 100 VDCW, 1/10 Watt.           R282         Metal film: 10 cohms ±5%, 100 VDCW, 1/10 Watt.           R283         Me	R242		Metal film: 2.2K ohms ±5%, 100 VDCW,
1/10 Watt.           R245         1/10 Watt.           R246         Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R247         Metal film: 120 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R248         Metal film: 120 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R248         Metal film: 470 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R249         Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R250         Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R251         Metal film: 100 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R270         Metal film: 32K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R271         Metal film: 32K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R272         Metal film: 32K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R273         Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R274         Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R275         Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R276         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R278         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R280         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R281         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R282         Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10			
R245         Metal film: 5.6K ohms ±5%, 100 VDCW, 1/10 Watt.           R246         Metal film: 1.5K ohms ±5%, 100 VDCW, 1/10 Watt.           R247         Metal film: 120 ohms ±5%, 100 VDCW, 1/10 Watt.           R248         Metal film: 120 ohms ±5%, 100 VDCW, 1/10 Watt.           R249         Metal film: 20 ohms ±5%, 100 VDCW, 1/10 Watt.           R250         Metal film: 20 ohms ±5%, 100 VDCW, 1/10 Watt.           R251         Metal film: 100 ohms ±5%, 100 VDCW, 1/10 Watt.           R260         Metal film: 100K ohms ±5%, 100 VDCW, 1/10 Watt.           R270         Metal film: 33K ohms ±5%, 100 VDCW, 1/10 Watt.           R271         Metal film: 22K ohms ±5%, 100 VDCW, 1/10 Watt.           R272         Metal film: 32K ohms ±5%, 100 VDCW, 1/10 Watt.           R273         Metal film: 22K ohms ±5%, 100 VDCW, 1/10 Watt.           R274         Metal film: 22K ohms ±5%, 100 VDCW, 1/10 Watt.           R275         Metal film: 22K ohms ±5%, 100 VDCW, 1/10 Watt.           R276         Metal film: 22K ohms ±5%, 100 VDCW, 1/10 Watt.           R278         Metal film: 150 ohms ±5%, 100 VDCW, 1/10 Watt.           R279         Metal film: 150 ohms ±5%, 100 VDCW, 1/10 Watt.           R280         Metal film: 10 K ohms ±5%, 100 VDCW, 1/10 Watt.           R281         Metal film: 10 K ohms ±5%, 100 VDCW, 1/10 Watt.           R282         Met	R244		
R246         Metal film: 1.5K ohms ±5%, 100 VDCW, 1/10 Watt.           R247         Metal film: 12 ohms ±5%, 100 VDCW, 1/10 Watt.           R248         Metal film: 470 ohms ±5%, 100 VDCW, 1/10 Watt.           R249         Metal film: 20 ohms ±5%, 100 VDCW, 1/10 Watt.           R250         Metal film: 20 ohms ±5%, 100 VDCW, 1/10 Watt.           R251         Metal film: 100 ohms ±5%, 100 VDCW, 1/10 Watt.           R260         Metal film: 100K ohms ±5%, 100 VDCW, 1/10 Watt.           R270         Metal film: 33K ohms ±5%, 100 VDCW, 1/10 Watt.           R271         Metal film: 33K ohms ±5%, 100 VDCW, 1/10 Watt.           R272         Metal film: 33K ohms ±5%, 100 VDCW, 1/10 Watt.           R273         Metal film: 30K ohms ±5%, 100 VDCW, 1/10 Watt.           R274         Metal film: 6.8K ohms ±5%, 100 VDCW, 1/10 Watt.           R275         Metal film: 5.0K ohms ±5%, 100 VDCW, 1/10 Watt.           R276         Metal film: 5.0 ohms ±5%, 100 VDCW, 1/10 Watt.           R278         Metal film: 15.0 ohms ±5%, 100 VDCW, 1/10 Watt.           R280         Metal film: 10 ohms ±5%, 100 VDCW, 1/10 Watt.           R281         Metal film: 10 ohms ±5%, 100 VDCW, 1/10 Watt.           R282         Metal film: 10 K ohms ±5%, 100 VDCW, 1/10 Watt.           R283         Metal film: 220 ohms ±5%, 100 VDCW, 1/10 Watt.           R284         Metal	R245		
1/10 Watt.           R247         Metal film: 120 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R248         Metal film: 12 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R249         Metal film: 12 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R250         Metal film: 12 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R251         Metal film: 20 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R260         Metal film: 100 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R270         Metal film: 100 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R271         Metal film: 30 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R272         Metal film: 30 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R273         Metal film: 390K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R274         Metal film: 390K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R275         Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R276         Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R278         Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R280         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R281         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R282         Metal film: 160 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R283         Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R284         Metal film:	<b>D</b> 040		
R247         Metal film: 120 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R248         Metal film: 470 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R249         Metal film: 12 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R250         Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R251         Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R260         Metal film: 330 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R271         Metal film: 33K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R272         Metal film: 33K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R273         Metal film: 32K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R274         Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R275         Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R276         Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R278         Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R278         Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R280         Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R281         Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R282         Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R283         Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.           R284 <thmetal 220="" <math="" film:="" ohms="">\pm 5\%, 100 VDCW, 1/10 Watt.<td>R246</td><td></td><td></td></thmetal>	R246		
R248         Metal film: 470 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R249         Metal film: 20 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R250         Metal film: 20 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R251         Metal film: 220 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R260         Metal film: 100 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R270         Metal film: 33K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R271         Metal film: 33K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R272         Metal film: 33K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R273         Metal film: 33K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R274         Metal film: 22K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R275         Metal film: 6.8K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R276         Metal film: 5.0 K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R278         Metal film: 15.0 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R280         Metal film: 150 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R281         Metal film: 150 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R282         Metal film: 10K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R283         Metal film: 220 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R284         Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R285         Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.	R247		Metal film: 120 ohms ±5%, 100 VDCW,
1/10 Watt.         R249         Metal film: 12 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R250         Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R261         Metal film: 100 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R270         Metal film: 100 chms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R271         Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R272         Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R273         Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R274         Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R275         Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R276         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R278         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R280         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R281         Metal film: 100 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R282         Metal film: 100 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283         Metal film: 100 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284         Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R	R248		
1/10 Watt.R250 $1/10$ Watt.R251Metal film: 270 ohms ±5%, 100 VDCW, 1/10 Watt.R260Metal film: 200 ohms ±5%, 100 VDCW, 1/10 Watt.R270Metal film: 100 ohms ±5%, 100 VDCW, 1/10 Watt.R271Metal film: 33K ohms ±5%, 100 VDCW, 1/10 Watt.R272Metal film: 33K ohms ±5%, 100 VDCW, 1/10 Watt.R273Metal film: 32K ohms ±5%, 100 VDCW, 1/10 Watt.R274Metal film: 300K ohms ±5%, 100 VDCW, 1/10 Watt.R275Metal film: 6.8K ohms ±5%, 100 VDCW, 1/10 Watt.R276Metal film: 5.6K ohms ±5%, 100 VDCW, 1/10 Watt.R277Metal film: 5.6K ohms ±5%, 100 VDCW, 1/10 Watt.R278Metal film: 150 ohms ±5%, 100 VDCW, 1/10 Watt.R280Metal film: 15K ohms ±5%, 100 VDCW, 1/10 Watt.R281Metal film: 15K ohms ±5%, 100 VDCW, 1/10 Watt.R282Metal film: 15K ohms ±5%, 100 VDCW, 1/10 Watt.R283Metal film: 220 ohms ±5%, 100 VDCW, 1/10 Watt.R284Metal film: 220 ohms ±5%, 100 VDCW, 1/10 Watt.R285Metal film: 270 ohms ±5%, 100 VDCW, 1/10 Watt.R286Metal film: 270 ohms ±5%, 100 VDCW, 1/10 Watt.R287Metal film: 10K ohms ±5%, 50 VDCW, 1/10 Watt.R288Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.R2001Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.R2003Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.R2011Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.R2012Metal film: 10K ohms ±5%, 50 VDCW, 1/16 Watt.R2013 <t< td=""><td>11240</td><td></td><td></td></t<>	11240		
R250         Metal film: 470 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R251         Metal film: 220 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R260         Metal film: 100 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R270         Metal film: 30K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R271         Metal film: 33K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R272         Metal film: 22K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R273         Metal film: 22K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R274         Metal film: 30K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R275         Metal film: 6.8K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R276         Metal film: 5.0 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R278         Metal film: 15.0 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R280         Metal film: 15.0 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R281         Metal film: 15.0 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R282         Metal film: 220 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R283         Metal film: 220 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R284         Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R285         Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R286         Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.           R287         Metal film: 100 ohms $\pm$ 5%, 50 VDCW, 1/10 Watt. <tr< td=""><td>R249</td><td></td><td></td></tr<>	R249		
R251       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R260       Metal film: 100 k ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R270       Metal film: 33K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R271       Metal film: 33K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R272       Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R273       Metal film: 390K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R274       Metal film: 300K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R275       Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R278       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R279       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R280       Metal film: 15K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R281       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R282       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R285       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R286       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R287       Metal film: 270 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.         R288       Metal film: 270 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2001       Metal film: 23	R250		
1/10 Watt.         R270       Metal film: 100 chms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R271       Metal film: 33K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R271       Metal film: 33K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R272       Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R273       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R274       Metal film: 300K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R275       Metal film: 5.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R276       Metal film: 5.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R278       Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R279       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R280       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R281       Metal film: 56K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R282       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R285       Metal film: 270 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.         R286       Metal film: 270 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R289       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2001       Metal film: 230 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.	D051		
1/10 Watt.           R270         1/10 Watt.           R271         Metal film: 100K ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.         Metal film: 33K ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.         Metal film: 22K ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.         Metal film: 390K ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.         R273           Metal film: 390K ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.           R275         Metal film: 390K ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.           R276         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.           R278         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.           R280         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.           R281         Metal film: 150 ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.           R282         Metal film: 210 ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.           R283         Metal film: 270 ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.           R286         Metal film: 270 ohms $\pm 5\%$ , 100 VDCW,           1/10 Watt.           R288         Metal film: 270 ohms $\pm 5\%$ , 50 VDCW,           1/10 Watt.           R288	R201		
R270       Metal film: 100K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R271       Metal film: 33K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R272       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R273       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R274       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R275       Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R276       Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R278       Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R279       Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R280       Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R281       Metal film: 100 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R282       Metal film: 20 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R286       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R287       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R288       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2001       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2005       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2001       Metal fil	R260		
R271       Metal film: 33K ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R272       Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R273       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R274       Metal film: 30K ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R275       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R276       Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R278       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R279       Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R280       Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R281       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R282       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R283       Metal film: 20 ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R284       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R285       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Wat.         R286       Metal film: 270 ohms $\pm 5\%$ , 50 VDCW, 1/16 Wat.         R288       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Wat.         R2001       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Wat.         R2003       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Wat.         R2011       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Wat.         R2012       Metal film: 10 ohms $\pm 5\%$ , 50 V	R270		
1/10 Watt.         R272       Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R273       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R274       Metal film: 390K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R275       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R276       Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R278       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R279       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R280       Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R281       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R282       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283       Metal film: 20 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R285       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R286       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R287       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R288       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R289       Metal film: 270 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.         R289       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2001       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.	D074		
R272       Metal film: 22K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R273       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R274       Metal film: 390K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R275       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R276       Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R278       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R279       Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R280       Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R281       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R282       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R285       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R286       Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R287       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.         R288       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2001       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2003       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2011       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2012       Metal film:	R271		
R273       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R274       Metal film: 390K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R275       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R276       Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R278       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R279       Metal film: 15K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R280       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R281       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R282       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283       Metal film: 20 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R285       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R286       Metal film: 10 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R288       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.         R288       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2001       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2003       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2011       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2012       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2013       Metal film: 10	R272		Metal film: 22K ohms $\pm$ 5%, 100 VDCW,
R2741/10 Watt. Metal film: 390K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R275Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R276Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R278Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R279Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R280Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R281Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R282Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R283Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R284Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R285Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R286Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R287Metal film: 270 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.R288Metal film: 270 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.R288Metal film: 270 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.R289Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2001Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2003Metal film: 330 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2011Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2012Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2013Metal film: 0 ohm. Metal film: 0 ohm.	R273		
1/10 Watt.R275Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R276Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R278Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R279Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R280Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R281Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R282Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R283Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R284Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R285Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R286Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R287Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R288Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, . 1/16 Watt.R2001Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2008Metal film: 30 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2011Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2012Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2013Metal film: 10 ohm. Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.			1/10 Watt.
R275       Metal film: 6.8K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R276       Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R278       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R279       Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R280       Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R281       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R282       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283       Metal film: 20 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R285       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R286       Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R287       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.         R288       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R299       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2001       Metal film: 30 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2003       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2011       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2012       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2013       Metal film: 0 ohm.         R2301       Metal film: 0 ohm.   <	R274		
R276       Metal film: 2.2K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R278       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R279       Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R280       Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R281       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R282       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283       Metal film: 20 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R285       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R286       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R287       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R288       Metal film: 100 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R289       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.         R2001       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2005       Metal film: 330 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2011       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2012       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2013       Metal film: 10 ohm.         R2013       Metal film: 10 ohm.	R275		
1/10 Watt.         R278       Metal film: 150 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R279       Metal film: 5.6K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R280       Metal film: 1.5K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R281       Metal film: 150 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R282       Metal film: 10K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R283       Metal film: 56K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R284       Metal film: 220 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R285       Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R286       Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R287       Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R288       Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R289       Metal film: 100 ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2001       Metal film: 27K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2005       Metal film: 330 ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2008       Metal film: 10K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2011       Metal film: 10K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2012       Metal film: 10K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2013       Metal film: 10K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.	R276		
1/10 Watt.R279Metal film: 5.6K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R280Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R281Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R282Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R283Metal film: 56K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R284Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R285Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R286Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R287Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R288Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R289Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2001Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2008Metal film: 330 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2011Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2012Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2013Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2013Metal film: 10K ohms $\pm 5\%$ , 200 VDCW,			1/10 Watt.
R279       Metal film: 5.6K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R280       Metal film: 1.5K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R281       Metal film: 150 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R282       Metal film: 10K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R283       Metal film: 200 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R284       Metal film: 220 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R285       Metal film: 220 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R286       Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R287       Metal film: 18 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R288       Metal film: 100 ohms $\pm$ 5%, 50 VDCW, 1/10 Watt.         R289       Metal film: 100 ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2001       Metal film: 10K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2005       Metal film: 330 ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2008       Metal film: 100K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2011       Metal film: 100K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2012       Metal film: 100K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2013       Metal film: 0 ohm.         R2301       Metal film: 1K ohms $\pm$ 5%, 200 VDCW,	R278		
R280       Metal film: 1.5K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R281       Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R282       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283       Metal film: 56K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R285       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R286       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R287       Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R288       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, . 1/16 Watt         R289       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, . 1/16 Watt         R2001       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, . 1/16 Watt.         R2005       Metal film: 330 ohms $\pm 5\%$ , 50 VDCW, . 1/16 Watt.         R2008       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, . 1/16 Watt.         R2011       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, . 1/16 Watt.         R2012       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, . 1/16 Watt.         R2013       Metal film: 0 ohm.         R2301       Metal film: 1K ohms $\pm 5\%$ , 200 VDCW,	R279		
1/10 Watt.R281Metal film: 150 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R282Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R283Metal film: 56K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R284Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R285Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R286Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R287Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R288Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R289Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2001Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2005Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2011Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2012Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2013Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.	R280		
1/10 Watt.R282Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R283Metal film: 56K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R284Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R285Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R286Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R287Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R288Metal film: 10 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.R288Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R299Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2001Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2008Metal film: 330 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2011Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2013Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2013Metal film: 1K ohms $\pm 5\%$ , 200 VDCW,	11200		1/10 Watt.
R282       Metal film: 10K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R283       Metal film: 56K ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R284       Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R285       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R286       Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R287       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R288       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.         R289       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2001       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2005       Metal film: 330 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2011       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2012       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.         R2013       Metal film: 0 ohm.         R2301       Metal film: 1K ohms $\pm 5\%$ , 200 VDCW,	R281		
R283       Metal film: 56K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R284       Metal film: 220 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R285       Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R286       Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R287       Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R288       Metal film: 100 ohms $\pm$ 5%, 50 VDCW, . 1/16 Watt         R289       Metal film: 100 ohms $\pm$ 5%, 50 VDCW, . 1/16 Watt.         R2001       Metal film: 27K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2005       Metal film: 330 ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2011       Metal film: 100K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2012       Metal film: 100K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2013       Metal film: 0 ohm.         R2301       Metal film: 0 ohm.	R282		Metal film: 10K ohms $\pm$ 5%, 100 VDCW,
1/10 Watt.R284Metal film: 220 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R285Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R286Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R287Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R288Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R288Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, . 1/16 WattR289Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2001Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2005Metal film: 330 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2011Metal film: 330 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2012Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2013Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.	R283		
1/10 Watt.R285Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R286Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R287Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.R288Metal film: 270 ohms $\pm 5\%$ , 50 VDCW, . 1/10 Watt.R289Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, 1/10 Watt.R2001Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2005Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2011Metal film: 330 ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2012Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2013Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, 1/16 Watt.R2013Metal film: 0 ohm. Metal film: 0 ohm.R2014Metal film: 1K ohms $\pm 5\%$ , 200 VDCW,	11200		
R285       Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R286       Metal film: 18 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R287       Metal film: 270 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.         R288       Metal film: 270 ohms $\pm$ 5%, 50 VDCW, 1/10 Watt.         R289       Metal film: 100 ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2001       Metal film: 27K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2005       Metal film: 330 ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2011       Metal film: 100K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2012       Metal film: 100K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt.         R2013       Metal film: 0 ohm.         R2301       Metal film: 1K ohms $\pm$ 5%, 200 VDCW,	R284		
R286       Metal film: 18 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R287       Metal film: 270 ohms $\pm 5\%$ , 100 VDCW, 1/10 Watt.         R288       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, .         and       1/16 Watt         R289       Metal film: 100 ohms $\pm 5\%$ , 50 VDCW, .         R281       Metal film: 10K ohms $\pm 5\%$ , 50 VDCW, .         R289       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, .         R2001       Metal film: 27K ohms $\pm 5\%$ , 50 VDCW, .         1/16 Watt.       R2005       Metal film: 330 ohms $\pm 5\%$ , 50 VDCW, .         1/16 Watt.       R2011       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, .         1/16 Watt.       R2012       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, .         1/16 Watt.       R2012       Metal film: 100K ohms $\pm 5\%$ , 50 VDCW, .         1/16 Watt.       R2013       Metal film: 0 ohm.         R2301       Metal film: 1K ohms $\pm 5\%$ , 200 VDCW, .	R285		Metal film: 270 ohms ±5%, 100 VDCW,
1/10 Watt.         R287       Metal film: 270 ohms ±5%, 100 VDCW, 1/10 Watt.         R288       Metal film: 100 ohms ±5%, 50 VDCW, .         and       1/16 Watt         R289       Metal film: 10K ohms ±5%, 50 VDCW, .         R294       Metal film: 10K ohms ±5%, 50 VDCW, 1/10 Watt.         R2001       Metal film: 27K ohms ±5%, 50 VDCW, 1/16 Watt.         R2005       Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.         R2008       Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.         R2011       Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.         R2012       Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.         R2013       Metal film: 0 ohm.         R2301       Metal film: 1K ohms ±5%, 200 VDCW,	B286		
1/10 Watt.         R288         and         R289         R294         Metal film: 10K ohms ±5%, 50 VDCW, .         1/16 Watt         R2001         Metal film: 10K ohms ±5%, 50 VDCW, 1/10 Watt.         R2005         Metal film: 27K ohms ±5%, 50 VDCW, 1/16 Watt.         R2008         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.         R2011         Metal film: 1M ohms ±5%, 50 VDCW, 1/16 Watt.         R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.         R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.         R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.         R2013         Metal film: 0 ohm.         R2301       Metal film: 1K ohms ±5%, 200 VDCW,	11200		
R288         Metal film: 100 ohms ±5%, 50 VDCW, .           and         1/16 Watt           R289         Metal film: 10K ohms ±5%, 100 VDCW, 1/10 Watt.           R2001         Metal film: 27K ohms ±5%, 50 VDCW, 1/16 Watt.           R2005         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2008         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.           R2011         Metal film: 1M ohms ±5%, 50 VDCW, 1/16 Watt.           R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,	R287		
R289         Metal film: 10K ohms ±5%, 100 VDCW, 1/10 Watt.           R2001         Metal film: 27K ohms ±5%, 50 VDCW, 1/16 Watt.           R2005         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2008         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.           R2011         Metal film: 1M ohms ±5%, 50 VDCW, 1/16 Watt.           R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,	R288		
R294         Metal film: 10K ohms ±5%, 100 VDCW, 1/10 Watt.           R2001         Metal film: 27K ohms ±5%, 50 VDCW, 1/16 Watt.           R2005         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2008         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.           R2011         Metal film: 1M ohms ±5%, 50 VDCW, 1/16 Watt.           R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,			1/16 Watt
1/10 Watt.         R2001       Metal film: 27K ohms ±5%, 50 VDCW, 1/16 Watt.         R2005       Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.         R2008       Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.         R2011       Metal film: 1M ohms ±5%, 50 VDCW, 1/16 Watt.         R2012       Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.         R2013       Metal film: 0 ohm.         R2301       Metal film: 1 K ohms ±5%, 200 VDCW,			
R2001         Metal film: 27K ohms ±5%, 50 VDCW, 1/16 Watt.           R2005         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2008         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.           R2011         Metal film: 11M ohms ±5%, 50 VDCW, 1/16 Watt.           R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,	R294		
1/16 Watt.           R2005         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2008         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.           R2011         Metal film: 11 M ohms ±5%, 50 VDCW, 1/16 Watt.           R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,	R2001		
1/16 Watt.           R2008         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.           R2011         Metal film: 1M ohms ±5%, 50 VDCW, 1/16 Watt.           R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,			
R2008         Metal film: 330 ohms ±5%, 50 VDCW, 1/16 Watt.           R2011         Metal film: 1M ohms ±5%, 50 VDCW, 1/16 Watt.           R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,	K2005		
R2011         Metal film: 1M ohms ±5%, 50 VDCW, 1/16 Watt.           R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,	R2008		Metal film: 330 ohms ±5%, 50 VDCW,
1/16 Watt.           R2012         Metal film: 100K ohms ±5%, 50 VDCW, 1/16 Watt.           R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,	R2011		
1/16 Watt.           R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,			1/16 Watt.
R2013         Metal film: 0 ohm.           R2301         Metal film: 1K ohms ±5%, 200 VDCW,	R2012		
			Metal film: 0 ohm.
	R2301		

# TR2305

and

SYMBOL

R2303

R2310

R2313

R2316

R2801

RV201

TP202

TR201

TR203

TR230

TR241

TR242

TR243

TR271

TR272

TR273

TR274

TR2301 TR2304

and TR202

XU201

PART NUMBER	DESCRIPTION
	Metal film: 4.7K ohms $\pm$ 5%, 100 VDCW. 1/10 Watt. Metal film: 15K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt. Metal film: 39K ohms $\pm$ 5%, 50 VDCW, 1/16 Watt. Metal film: 10K ohms $\pm$ 5%, 100 VDCW, 1/10 Watt. Metal film: 68 ohms $\pm$ 5%, 100 VDCW, 1/10 Watt.
	Variable: 20K ohms ±25% ,1/10 Watt.
	TERMINAL
	Test Terminal.
	TRANSISTORS
	Silicon, PNP: sim to NEC 2SB624(BV3).
	Silicon, NPN: sim to PANASONIC XP1211. Silicon, NPN: sim to NEC 2SD596(DV3). Silicon, NPN: sim to HITACHI 2SC4591. Silicon, NPN: sim to NEC 2SC3356. Silicon, NPN: sim to PANASONIC UN5216. Silicon, NPN: sim to HITACHI 2SC4591. Silicon, NPN: sim to NEC 2SC3356. Silicon, NPN: sim to PANASONIC XP1216. Silicon, NPN: sim to PANASONIC UN5216.
	CRYSTAL Reference Oscillator unit: 12.8MHz 1.5 PPM.

#### SYNTHESIZER/RECEIVER/EXCITER BOARD **RECEIVER/EXCITER SECTION** CMN-359

SYMBOL

C422

C424

C425

C426

C428

C429

C430

C460

C461

C462

C463

C464

C465

C466

C467

C468

C469

C471

C472

C473

C474

C475

C476

C477

C480

C481

C482

C483

CD150

CD421

FL151 FL401

FL402

FL403

IC481

Issue 1

SYMBOL	PART NUMBER	DESCRIPTION
		CAPACITORS
C150	NOTE: Parts listed are for reference	Ceramic: 15 pF ±5% 50 VDCW, temp coef 0±60 PPM .
C151	only. Refer to Service Section for	Ceramic: 7 pF ±0.5 pF 50 VDCW, temp coef 0±60 PPM.
C152	serviceable parts.	Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C153		Ceramic: 470 pF $\pm$ 5% 50 VDCW, temp coef 0 $\pm$ 60 PPM.
C154		Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
C155		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C156		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C157		Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
C158		Ceramic: 6 pF ±0.5 pF 50 VDCW, temp coef 0±60 PPM.
C159		Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
C160		Ceramic: 22 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C161		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C162		Ceramic: 15 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C163		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C164		Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
C165		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C166 C167		Tantalum: $22 \ \mu\text{F} \pm 20\%$ 16 VDCW. Ceramic: 100 pF $\pm 5\%$ 50 VDCW, temp coef 0 $\pm 60$ PPM.
C168		Ceramic: 0.5 pF ±0.25 pF 50 VDCW, temp coef 0±250 PPM.
C169		Ceramic: 5 pF ±0.25 pF 50 VDCW, temp coef 0±60 PPM.
C401		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C402		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C403		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C404		Ceramic: 1000 pF $\pm$ 10% 50 VDCW, temp coef $\pm$ 15%.
C405		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C406		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C407		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C408		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C410		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.
C411		Ceramic: 5 pF ±0.25 pF 50 VDCW, temp coef 0±60 PPM.
C412		Ceramic: 3 pF ±0.5 pF 50 VDCW, temp coef 0±120 PPM.
C420		Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.

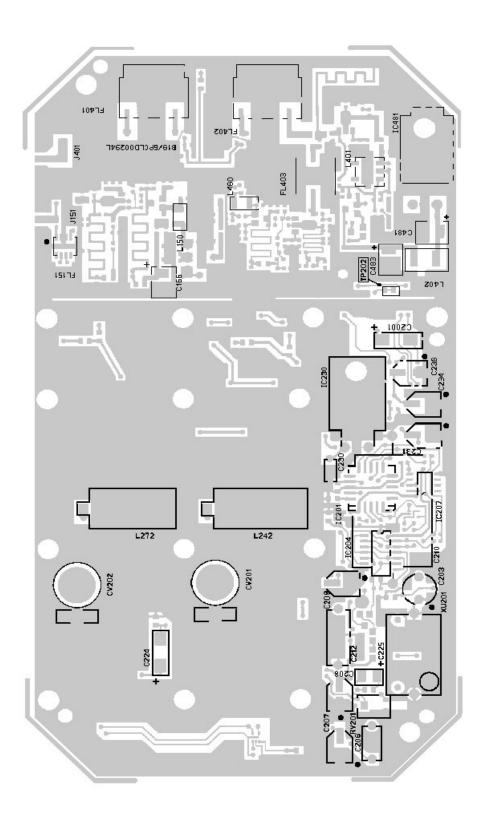
PART NUMBER	DESCRIPTION		SYMBOL	PART NUMBER	DESCRIPTION
	Ceramic: 3 pF ±0.25 pF 50 VDCW, temp				JACKS
	coef 0±120 PPM.		1454		One of the DE
	Ceramic: 3 pF ±0.25 pF 50 VDCW, temp		J151 J401		Connector: RF. Connector: RF.
	coef 0±60 PPM.		J501		Connector: 30 pins.
	Ceramic: 1000 pF ±10% 50 VDCW, temp		3501		Connector. 30 pins.
	coef ±15%. Ceramic: 100 pF ±5% 50 VDCW, temp				COILS
	coef 0±60 PPM.		1.450		
	Ceramic: 1000 pF ±10% 50 VDCW, temp		L150		Coil: RF 22 nh ±10%
	coef ±15%.		L157		Coil: RF 10 nh ±10%
	Ceramic: 100 pF ±5% 50 VDCW, temp		L401		H-6LALD00166
	coef 0±60 PPM.		L402 L460		Coil: $\mu$ H ±20%
	Ceramic: 0.01 μF ±10% 50 VDCW, temp coef ±15%.		L400		Coil: RF 22 nh ±10%
	Ceramic: 100 pF ±5% 50 VDCW, temp				RESISTORS
	coef 0±60 PPM. Ceramic: 100 pF ±5% 50 VDCW, temp		R150		Metal film 1k ohms ±5% 100 VDCW, 1/10 Watt.
	coef 0±60 PPM. Ceramic: 1000 pF ±10% 50 VDCW, temp		R151		Metal film: 470 ohms ±5% 50 VDCW, 1/16 Watt.
	coef ±15%.		R152		Metal film: 12 ohms ±5% 50 VDCW,
	Ceramic: 5 pF ±0.5 pF 50 VDCW, temp coef 0±60 PPM.		R153		1/16 Watt. Metal film: 470 ohms ±5% 50 VDCW,
	Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.		R154		1/16 Watt. Metal film: 2.2K ohms ±5% 50 VDCW,
	Ceramic: 470 pF ±5% 50 VDCW, temp coef 0±60 PPM.				1/16 Watt.
	Ceramic: 100 pF ±5% 50 VDCW, temp		R155		Metal film: 2.2K ohms ±5% 50 VDCW, 1/16 Watt.
	coef 0±60 PPM. Ceramic: 4 pF ±0.25 pF 50 VDCW, temp		R156		Metal film: 220 ohms ±5% 50 VDCW, 1/16 Watt.
	coef 0 $\pm$ 60 PPM . Ceramic: 10 pF $\pm$ 0.5 pF 50 VDCW, temp		R157		Metal film: 3.3K ohms ±5% 50 VDCW,
	coef 0±60 PPM.		R158		1/16 Watt. Metal film: 100 ohms ±5% 50 VDCW,
	Ceramic: 15 pF $\pm$ 5% 50 VDCW, temp coef 0 $\pm$ 60 PPM.		R159		1/16 Watt. Metal film: 220 ohms ±5% 100 VDCW,
	Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.		R160		1/10 Watt. Metal film: 1K ohms ±5% 50 VDCW,
	Ceramic: 6 pF ±0.5 pF 50 VDCW, temp coef 0±60 PPM.				1/16 Watt.
	Ceramic: 100 pF ±5% 50 VDCW, temp		R161		Metal film: 5.6K ohms ±5% 50 VDCW, 1/16 Watt.
	coef 0±60 PPM. Ceramic: 33 pF ±5% 50 VDCW, temp coef		R162		Metal film: 10 ohms ±5% 50 VDCW, 1/16 Watt.
	0±60 PPM. Ceramic: 1000 pF ±10% 50 VDCW, temp		R163		Metal film: 10 ohms ±5% 50 VDCW,
	coef ±15%.		R164		1/16 Watt. Metal film: 12 ohms ±5% 50 VDCW,
	Ceramic: 100 pF ±5% 50 VDCW, temp coef 0±60 PPM.		R165		1/16 Watt. Metal film: 470 ohms ±5% 50 VDCW,
	Ceramic: 1000 pF ±10% 50 VDCW, temp coef ±15%.		R166		1/16 Watt. Metal film: 470 ohms ±5% 50 VDCW,
	Ceramic: 0.1 $\mu F$ ±10% 25 VDCW, temp coef ±15%.				1/16 Watt.
	Tantalum: 22 $\mu F$ ±20% 16 VDCW.		R167		Metal film: 47 ohms ±5% 100 VDCW, 1/10 Watt.
	Ceramic: 0.1 $\mu$ F ±10% 25 VDCW, temp coef ±15%.		R168		Metal film: 100 ohms ±5% 100 VDCW, 1/10 Watt.
	Tantalum: 22 $\mu$ F ±20% 16 VDCW.		R169		Metal film: 0 ohms.
	DIODES		R401		Metal film: 1.5K ohms ±5% 50 VDCW, 1/16 Watt.
	Silicon: fast recovery (2 diodes in cathode).		R402		Metal film: 3.3K ohms ±5% 50 VDCW,
	sim to TOSHIBA ISS184.		R403		1/16 Watt. Metal film: 100 ohms ±5% 50 VDCW,
	FILTER		R404		1/16 Watt. Metal film: 0 ohms.
			and		
	RF B.P.F. Pass band 896 to 941 MHz.		R420		
	Dielectric RF Filter		R420		Metal film: 220 ohms ±5% 50 VDCW,
	Dielectric RF Filter				1/16 Watt.
	RF B.P.F. Pass band 852 to 860 MHz. : 2-POLE		R422		Metal film: 1.8K ohms ±5% 50 VDCW, 1/16 Watt.
	INTEGRATED CIRCUITS		R423		Metal film: 2.2K ohms ±5% 50 VDCW,
	Linear: Positive Voltage Regulator; sim to		R424		1/16 Watt. Metal film: 2.2K ohms ±5% 50 VDCW,
	NEC mPC2409HF.				1/16 Watt.
	1	1	L		

nector: 30 pins.	
COILS	
RF 22 nh ±10% RF 10 nh ±10% ALD00166	
μH ±20% RF 22 nh ±10%	
RESISTORS	
l film 1k ohms ±5% 100 VDCW, Watt.	
I film: 470 ohms ±5% 50 VDCW, Watt.	
l film: 12 ohms ±5% 50 VDCW, Watt.	
l film: 470 ohms ±5% 50 VDCW,	
Watt. I film: 2.2K ohms ±5% 50 VDCW,	
Watt. I film: 2.2K ohms ±5% 50 VDCW,	
Watt. I film: 220 ohms ±5% 50 VDCW,	
Watt. I film: 3.3K ohms ±5% 50 VDCW,	
Watt. I film: 100 ohms ±5% 50 VDCW,	
Watt. I film: 220 ohms ±5% 100 VDCW,	
Watt. I film: 1K ohms ±5% 50 VDCW,	
Watt. I film: 5.6K ohms ±5% 50 VDCW,	
Watt. I film: 10 ohms ±5% 50 VDCW,	
Watt. I film: 10 ohms ±5% 50 VDCW,	
Watt. I film: 12 ohms±5% 50 VDCW, Watt.	
l film: 470 ohms ±5% 50 VDCW, Watt.	
I film: 470 ohms ±5% 50 VDCW, Watt.	
I film: 47 ohms ±5% 100 VDCW, Watt.	
l film: 100 ohms ±5% 100 VDCW, Watt.	
l film: 0 ohms. I film: 1.5K ohms ±5% 50 VDCW,	
Watt. I film: 3.3K ohms ±5% 50 VDCW,	
Watt. I film: 100 ohms ±5% 50 VDCW, Watt	
VV AU	

\*COMPONENTS ADDED, DELETED OR CHANGED BY PRODUCTION CHANGES

SYMBOL	PART NUMBER	DESCRIPTION
R425		Metal film: 100 ohms ±5% 50 VDCW,
R427		1/16 Watt. Metal film: 100 ohms ±5% 100 VDCW,
R428		1/10 Watt. Metal film: 100 ohms ±5% 50 VDCW,
-		1/16 Watt.
R429		Metal film: 68 ohms ±5% 50 VDCW, 1/16 Watt.
R430		Metal film: 100 ohms ±5% 50 VDCW,
R460		1/16 Watt. Metal film: 180 ohms ±5% 50 VDCW,
D464		1/16 Watt.
R461		Metal film: 27 ohms ±5% 50 VDCW, 1/16 Watt.
R462		Metal film: 180 ohms ±5% 50 VDCW, 1/16 Watt.
R463		Metal film: 2.2K ohms ±5% 50 VDCW,
R464		1/16 Watt. Metal film: 2.2K ohms ±5% 50 VDCW,
11404		1/16 Watt.
R465		Metal film: 100 ohms ±5% 50 VDCW, 1/16 Watt.
R466		Metal film: 220 ohms ±5% 50 VDCW,
R467		1/16 Watt. Metal film: 1K ohms ±5% 50 VDCW,
		1/16 Watt.
R468		Metal film: 5.6K ohms ±5% 50 VDCW, 1/16 Watt.
R469		Metal film: 10 ohms ±5% 50 VDCW,
R470		1/16 Watt. Metal film: 10 ohms ±5% 50 VDCW,
R471		1/16 Watt. Metal film: 18 ohms ±5% 50 VDCW,
K471		1/16 Watt.
R472		Metal film: 270 ohms ±5% 50 VDCW, 1/16 Watt.
R473		Metal film: 270 ohms ±5% 50 VDCW,
R474		1/16 Watt. Metal film: 47 ohms ±5% 100 VDCW,
		1/10 Watt.
R475		Metal film: 68 ohms ±5% 100 VDCW, 1/10 Watt.
		TRANSISTORS
TR151 TR152		Silicon, NPN; sim to NEC 2SC3356. Silicon, PNP; sim to NEC 2SB624.
TR153		Silicon, NPN; sim to NEC 2SC3357.
TR401		Silicon, NPN; sim to NEC 2SC3356.
TR421 TR422		Silicon, NPN; sim to NEC 2SC3357. Silicon, NPN; sim to NEC 2SD596.
TR422		Silicon, NPN; sim to NEC 2SC3356.
TR462		Silicon, NPN; sim to NEC 2SC3357.

COMPONENT SIDE

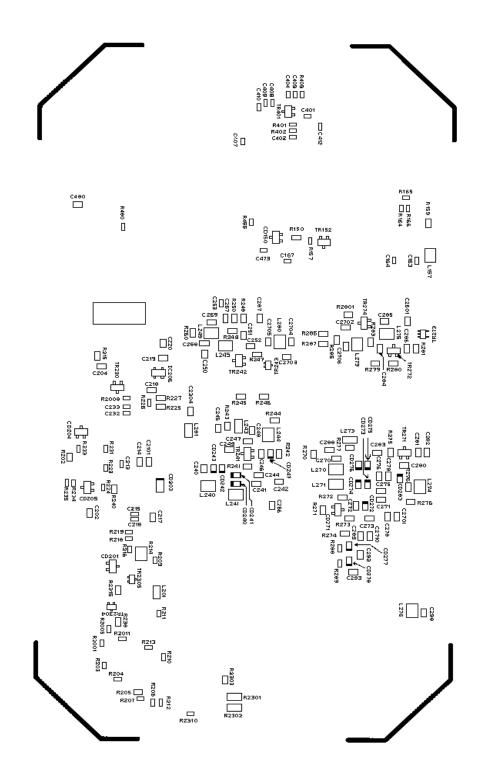


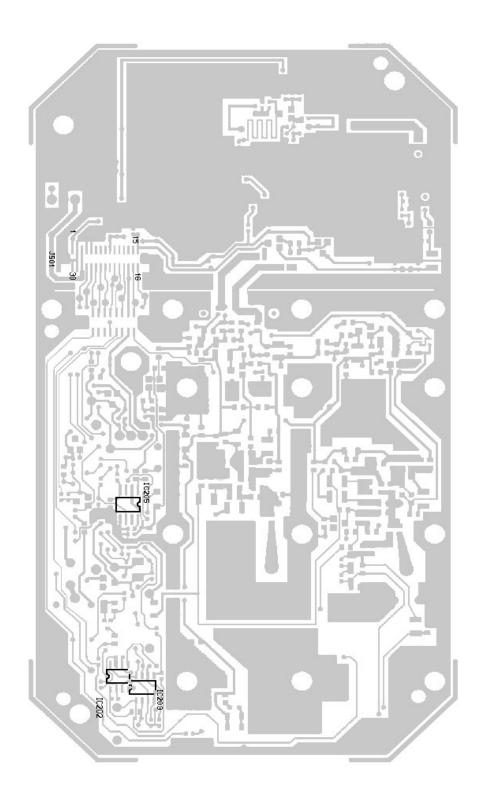


# ORION 800 MHz SYNTHESIZER/RECEIVER/EXCITER

# **OUTLINE DIAGRAM**

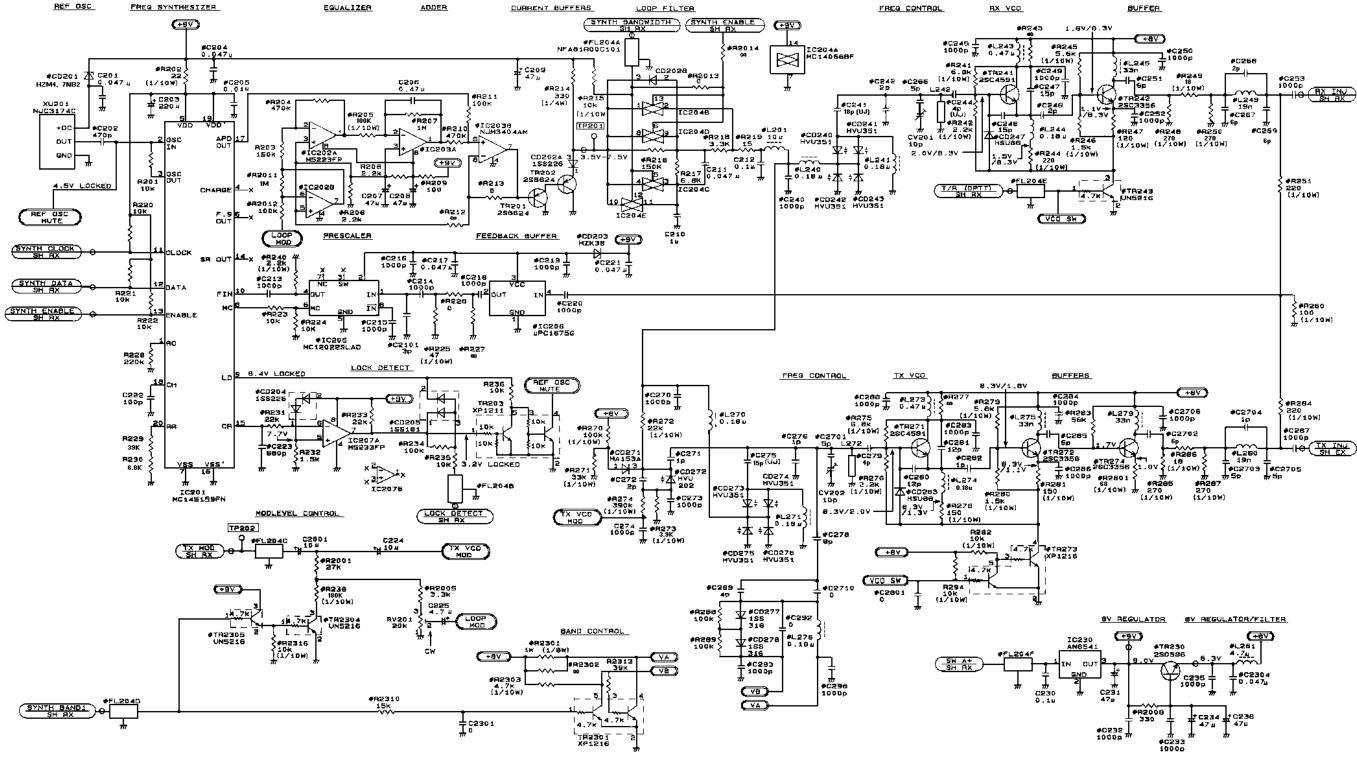
SOLDER SIDE



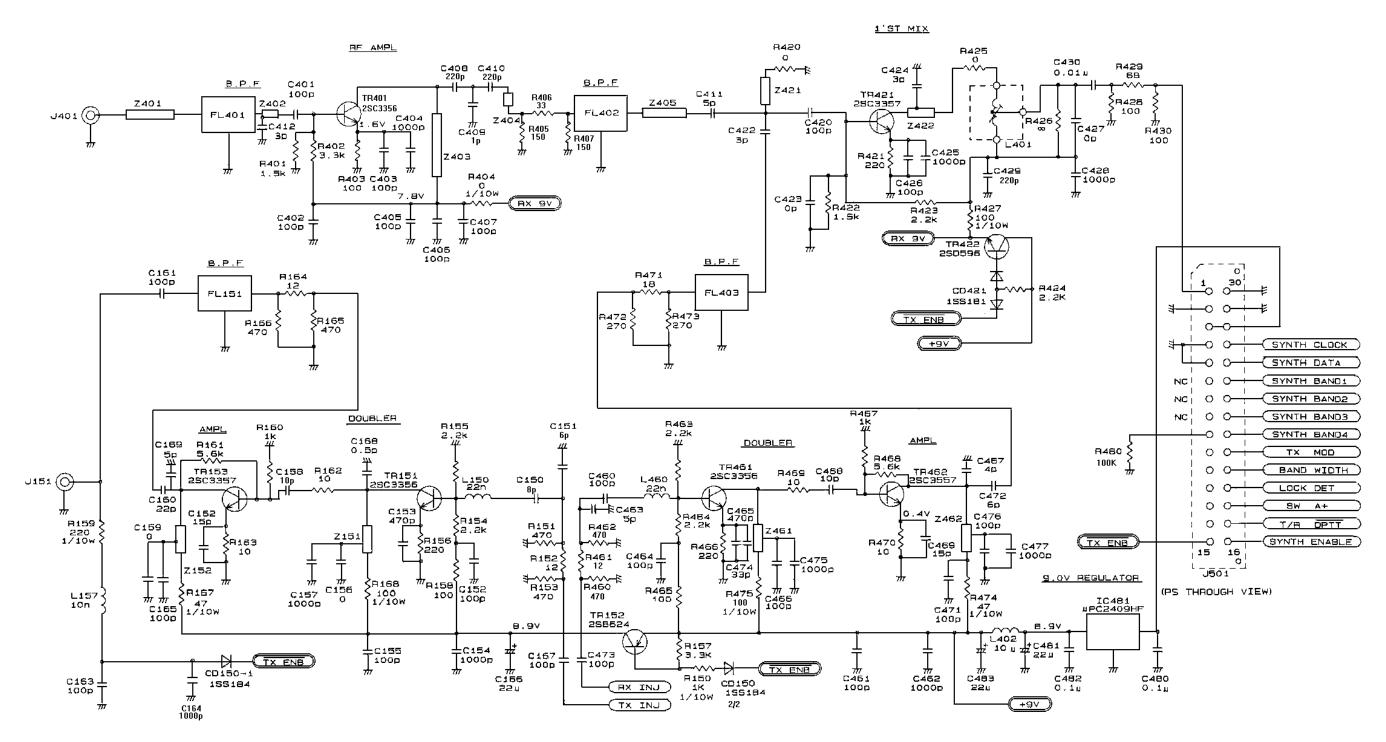


# LBI-39070

ORION 800 MHz SYNTHESIZER/RECEIVER/EXCITER



**ORION 800 MHz SYNTHESIZER** 



## LBI-39070

ORION 800 MHz RECEIVER/EXCITER