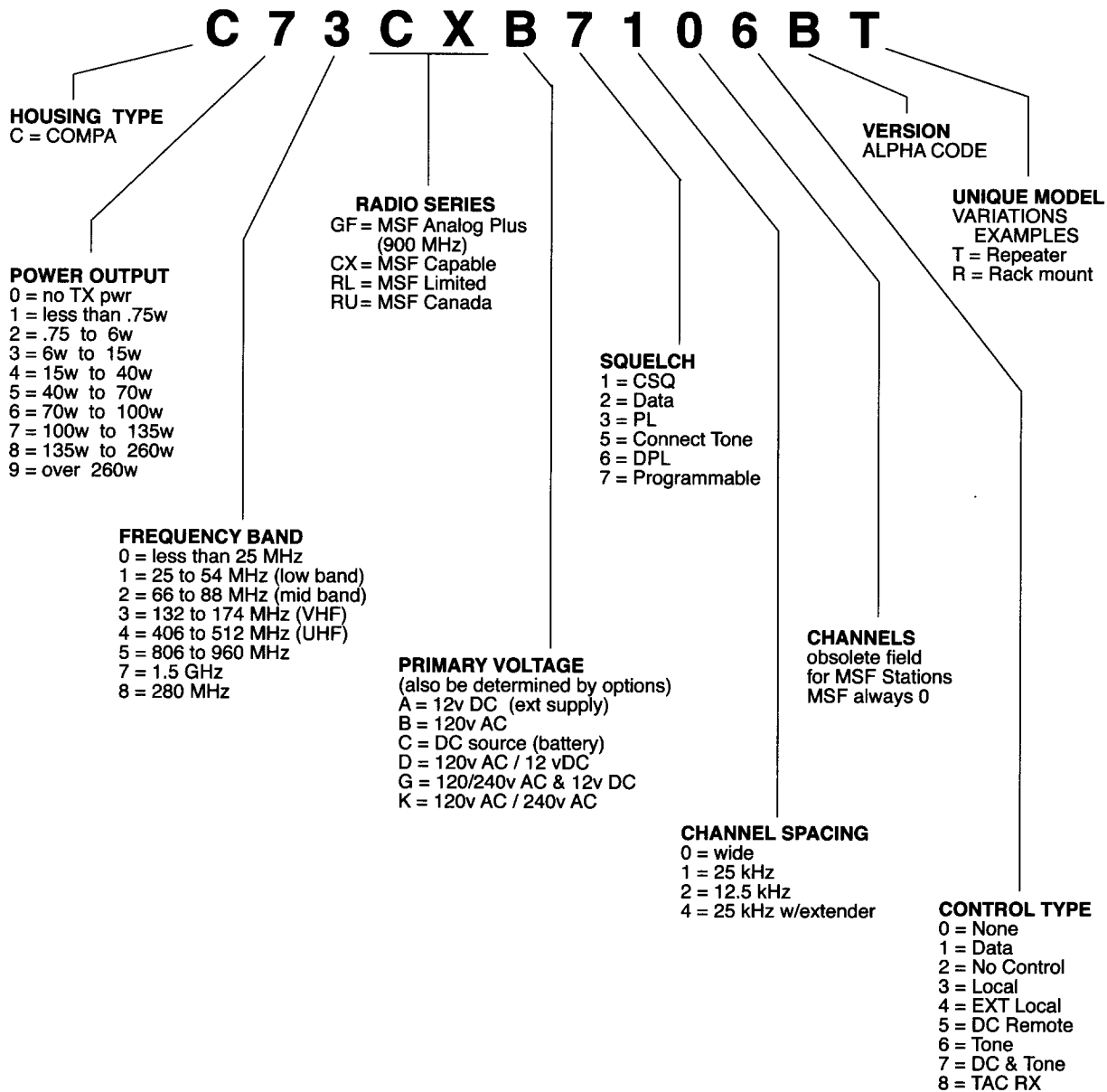


How to Interpret Motorola Model Numbers

How to Interpret Motorola Model Numbers

Refer to the information provided below for breakdown of Motorola model numbers for the MSF 5000 station.



MSFX016
022494KOM

MODEL COMPLEMENT
CHART FOR MSF 5000
DIGITAL CAPABLE
STATIONS
VHF: 132-174 MHz

LEGEND:
= Items Supplied
* = Refer to 1st Item Breakdown Chart
@ = Frequency Dependent
132-158 MHz = Range 1
146-174 MHz = Range 2

DESCRIPTION	MODEL	ITEM	DESCRIPTION
6W Data Base Station	C23CXB2106A	TBN6583A	26" Universal Rack
6W Base Station	C23CXB7106B	TBN6584A	37" Universal Rack
6W Repeater Station	C23CXB7106BT	TFD1000A*	VHF Low Pass High Power Filter
25W Data Base Station	C43CXB2106A	THN6663A	26" Universal Cabinet
25W Trunked Station	C43CXB5103BT	THN6664A	37" Universal Cabinet
25W Base Station	C43CXB7106B	TKN8487A	Watt Meter Cable
25W Repeater Station	C43CXB7106BT	TKN8492A	Line Interface Cable
25W Canada Conv. Base Station	C43RUB7106A	TKN8498B	25' Trunking Central Controller Cable
25W Canada Conv. Repeater Station	C43RUB7106AT	TKN8500C	Secure Smartnet System Cable
75W Data Base Station	C63CXB2106A	TKN8543A	Trunked Toned Remote Control/J-Box Trunking Cable
75W Trunked Station	C63CXB5103BT	TKN8551A	Repeater Station Cable
75W Base Station	C63CXB7106B	TKN8572A	DC Power Supply Cable
75W Repeater Station	C63CXB7106BT	TKN8573A	Power Supply to Fan Cable
100W Ltd. Conv. Base Station	C63RLB7106B	TKN8574A	DC Power Supply Cable
100W Ltd. Conv. Repeater Station	C63RLB7106BT	TKN8579A	Low Power PA Power Supply Interconnect Cable
125W Data Base Station	C73CXB2106A	TKN8580A	High Power PA Power Supply Interconnect Cable
125W Trunked Station	C73CXB5103BT	TKN8610A	VHF Base Station Cable
125W Base Station	C73CXB7106B	TKN8613A	High Power Base Station Cable
125W Repeater Station	C73CXB7106BT	TKN8670A	Directional Coupler Cable
350W Trunked Station	C93CXB5103BT	TKN8671A	Low Power VHF Trunking Cable
350W Base Station	C93CXB7106B	TKN8672A	High Power VHF Trunking Cable
350W Repeater Station	C93CXB7106BT	TKN8710A	RX Loopback Cable
		TKN8713A	26 Pin Ribbon Cables for SAM to Base Station Control
		TKN8720A	SAM to RLC Board Cable Kit
		TKN8993A	Expansion Cables
		TLD2670A*	Peripheral Box w/o Antenna Switch 132-174 MHz
		TLD2680A*	Peripheral Box w/ Antenna Switch 132-174 MHz
		TLD2691A*	125W Power Amplifier 132-158 MHz
		TLD2692A*	125W Power Amplifier 146-174 MHz
		TLD2741B*	350W Final Power Amplifier 132-158 MHz
		TLD2742B*	350W Final Power Amplifier 146-174 MHz
		TLD2770B*	25W Power Amplifier 132-174 MHz
		TLD3061B*	75W Power Amplifier 132-158 MHz
		TLD3062B*	75W Power Amplifier 146-174 MHz
		TLD9610A	6W Directional Coupler
		TLD9640B	VHF Watt Meter
		TLN2490A*	110V 15A 60Hz Low Power Junction Box
		TLN3045C*	MSF Encode/Decode Secure Module (Option)
		TLN3088B*	110V 20A 60Hz High Power Junction Box
		TLN3112E*	Trunked Tone Remote Control Audio Board
		TLN3182A*	Narrow Band Secure Capable Station Control Board (Option)
		TLN3189A*	VHF/UHF Secure Capable Station Control Board
		TLN3221B*	Station Access Module (SAM)
		TLN3267A*	Transparent Only Secure Module (Option)
		TLN3318A*	Narrow Band VHF/UHF Data Station Control Board (Option)
		TLN3319A*	VHF/UHF Data Station Control Board
		TPN1868B*	500W 60Hz Power Supply
		TPN1260A*	675W 60 Hz Dual Output Power Supply
		TRN5177A	Expansion Tray Hardware
		TRN5178B	Expansion Tray Power Supply Board
		TRN5200A	Blank Bezel
		TRN5352A	RF Connector Plug
		TRN5353A	Auxiliary Connector Plug
		TRN5355A	Battery Connector Plug
		TRN5427A	110V AC Power Cord
		TRN5954A	Blank Bezel
		TRN7039A	Station Control Hardware
		TRN7040A	Trunked Tone Remote Control Bezel
		TRN7188A	Antenna Relay
		TRN7200A	Universal 9" Slides Tray Hardware
		TRN7201A	Universal PAPPS Hardware
		TRN7221A	VHF Universal RF Tray Power Supply Panel Hardware
		TRN7247A	Universal Blank 3.5" Panel Hardware
		TRN7249A	Universal Rails Label Kit
		TRN7254A	VHF Universal Peripheral Hardware
		TRN7385A	RF Interconnect Hardware
		TRN7551A	Station Access Module Bezel
		TRN7717A	FCC Label
		TRN7754A*	Trunked Tone Remote Control Logic Board
		TRN7794A	Tuning Tool Kit
		TRN7882A	10.7 MHz IF 40dB RSSI/Loopback
		TRN7986A	VHF Ltd Tray Panel Hardware
		TRN7988A	Label Kit w/ D.O.C.
		TRN9871B	2 Fan Kit
		TRN9892B	3 Fan Kit
		TUD2641A*	125W Universal Chassis RF Tray INT REF 132-158 MHz
		TUD2642A*	125W Universal Chassis RF Tray INT REF 146-174 MHz
		TUD2712A*	350W Universal Chassis RF Tray INT REF 146-174 MHz
		TUD2721A*	350W Universal Chassis RF Tray EXT REF 132-158 MHz
		TUD2722A*	350W Universal Chassis RF Tray EXT REF 146-174 MHz
		TUD2741A*	VHF WB INT REF 6/75W RF Tray 132-158 MHz
		TUD2842A*	VHF WB INT REF 25W RF Tray 132-158 MHz
		TUD2861A*	VHF WB INT REF 25W RF Tray 146-174 MHz
		TUD2862A*	VHF WB INT REF 25W RF Tray 146-174 MHz

VHF Model Charts

1st ITEM BREAKDOWN

CHART FOR MSF 5000

DIGITAL CAPABLE

STATIONS

VHF: 132-174 MHz

LEGEND:

= Items Supplied

* = Refer to 2nd Item Breakdown Chart

132-158 MHz = Range 1

146-174 MHz = Range 2

DESCRIPTION	MODEL	ITEM	DESCRIPTION
VHF Low Pass High Power Filter	TFD1000A	TFD1011A*	Preselector Filter Hybrid 132-162 MHz
Peripheral Box w/o Antenna Switch	TLD2670A	TFD1012A*	Preselector Filter Hybrid 146 -174 MHz
Peripheral Box w/ Antenna Switch	TLD2680A	TFD6471A	Image Injection Filter 132-162 MHz
125W Power Amplifier 132-158 MHz	TLD2691A	TFD6472A	Image Injection Filter 146-174 MHz
125W Power Amplifier 146-174 MHz	TLD2692A	TFD6480A	Low Pass Filter Circuit
350W Final Power Amplifier 132-158 MHz	TLD2741B	TFN6045A	Hybrid PL Filter
350W Final Power Amplifier 146-174 MHz	TLD2742B	TFN6056A	2175 Hz Hybrid Notch Filter
25W Power Amplifier 132-174 MHz	TLD2770B	TFN6061A	2175 Hz Hybrid Band Pass Filter
75W Power Amplifier 132-158 MHz	TLD3061B	TKN8486A	PA Power Cable
75W Power Amplifier 146-174 MHz	TLD3062B	TKN8549A	PA DC Cable
110V 15A 60Hz Low Power Junction Box	TLN2490A	TKN8559A	PA Deck Cable
MSF Encode/Decode Secure Module (Option)	TLN3045C	TKN8562A	Intermediate Power Amplifier Cable
110V 20A 60Hz High Power Junction Box	TLN3086B	TKN8565A	20A Hi Power Junction Box Cable
Trunked Tone Remote Control Audio Board	TLN3112E	TKN8599B	Control Tray Cables
Narrow Band Secure Capable Station Control Board (Option)	TLN3182A	TKN8602A	PA Deck Output Cable
VHF/UHF Secure Capable Station Control Board	TLN3189A	TKN8612A	Intermediate Power Amplifier Cable
Station Access Module (SAM)	TLN3221B	TKN8842A	Intermediate Power Amplifier Feedthru Cable
Transparent Secure Module (Option)	TLN3267A	TLD2641A*	Intermediate Power Amplifier 132-162 Mhz
VHF/UHF VHF/UHF Data Station Control Board	TLN3318A	TLD2642A*	Intermediate Power Amplifier 146-174 MHz
VHF/UHF Data Station Control Board	TLN3319A	TLD9450B	RF Power Combiner 132-174 MHz
500W 60 Hz Power Supply	TPN1186B	TLD9460B	RF Power Splitter 132-174 MHz
675W 60 Hz Dual Output Power Supply	TPN1260A	TLD9480A	75W/125W Directional Coupler 132-174 MHz
Trunked Toned Remote Control Logic Board	TRN7754A	TLD9491A	PA Module 132-158 MHz
125W Univ. Chas. RF Tray INT REF 132-158 MHz	TUD2641A	TLD9492A	PA Module 146-174 MHz
125W Univ. Chas. RF Tray INT REF 146-174 MHz	TUD2642A	TLD9510A	Peripheral Hybrid Board w/o Antenna Switch
350W Univ. Chas. RF Tray INT REF 146-174 MHz	TUD2712A	TLD9540B	Peripheral Hybrid Board w/ Antenna Switch
350W Univ. Chas. RF Tray EXT REF 132-158 MHz	TUD2721A	TLD9550C	Left 6-Way Combiner 132-174 MHz
350W Univ. Chas. RF Tray EXT REF 146-174 MHz	TUD2722A	TLD9560B	Right 6-Way Combiner 132-174 Mhz
VHF WB INT REF 6/75W RF Tray 132-158 MHz	TUD2841A	TLD9570B	Left 6-Way Splitter 132-174 MHz
VHF WB INT REF 6/75W RF Tray 146-174 MHz	TUD2842A	TLD9600B	Right 6-Way Splitter 132-174 MHz
VHF WB INT REF 25W RF Tray 132-158 MHz	TUD2861A	TLD9880A	35W PA Module Hybrid
VHF WB INT REF 25W RF Tray 146-174 MHz	TUD2862A	TRD1841A*	25W Directional Coupler 132-174 Mhz
		TRD1842B*	Receiver VCO 132-158 MHz
		TRD6350A	Injection Amplifier 146-174 MHz
		TRN5159B	Injection Amplifier 132-175 MHz
		TRN5205A	Line Interface Board
		TRN5207A	Feedthru Plate
		TRN7006A	Balancing Resistor
		TRN7008A	VHF Uniboard
		TRN7028A	Display Board
		TRN7065A	EXT REF Uniboard
		TRN7077A	2-Way Hybrid Isolation Load
		TRN7078A	PA Hardware
		TRN7079A	Hybrid Peripheral Box Hardware w/o Antenna Switch
		TRN7084A	Hybrid Peripheral Box Hardware w/ Antenna Switch
		TRN7087A	Final DC Distribution Board
		TRN7088C	PA Deck Hardware
		TRN7097A	25W-75W RF Distribution Board
		TRN7098A	675W 60 Hz Power Supply Miscellaneous Hardware
		TRN7110B	675W 60 Hz Power Supply Hardware
		TRN7113A	60Hz Hi Power Junction Box Hardware
		TRN7117A	350W PA Hardware
		TRN7141B	500W Power Supply Miscellaneous Hardware
		TRN7164B	VHF RF Interconnect Board
		TRN7205A	Interconnect Board
		TRN7213B	RF Tray Internal Reference VHF IPA Hardware
		TRN7242A	500W Power Supply Hardware
		TRN7206A	14V Distribution Board
		TRN7248A	RF Tray External Reference VHF IPA Hardware
		TRN7273D	Distribution Board
		TRN7352A	Trunked Tone Remote Control Audio Board
		TRN7358A	VHF/UHF Narrow Band SecureCapable Station Control Board
		TRN7497A	VHF Secure Capable StationControl Board
		TRN7509A	110V 15A 60 Hz Junction Box and Labels
		TRN7537A	110V 20A 60Hz Junction Box and Labels
		TRN7564A	Station Access Board
		TRN7571A	110V 60 Hz Junction Box Hardware
		TRN7580A	VHF WB INT REF Uniboard W/SSI/LPBK
		TRN7584A	Power Supply Hardware Plus Universal
		TRN7606A	RF Tray Hardware For Data Station
		TRN7670A	VHF Socketed Display Board
		TRN7690A	20A Line Cord Hardware
		TRN7784A	Transparent Secure Board
		TRN7785A	VHF/UHF Narrow Band Data Station Control Board
		TRN7827A	VHF/UHF Data Station Control Board
		TRN9256A	Standoff HDW
		TRN9961A	EXT RF Connector
		TRN9987A	Interconnect Pockets Board
		TRN9999C	DC Distribution Board 132-174 MHz
		TTD1731A*	MSF Secure Module
		TTD1732B*	Transmit VCO 132-158 MHz
		TVN6055A	Transmit VCO 146-174 MHz
		TVN6056A	Station Control Board Firmware
		TVN6057A	Trunked Toned Remote Control Board Firmware
		TVN6118A	Secure Module Firmware
			Station Access Module Firmware

**2nd ITEM BREAKDOWN
CHART FOR MSF 5000
DIGITAL CAPABLE
STATIONS
VHF: 132-174 MHz**

LEGEND:

= Items Supplied

132-158 MHz = Range 1

146-174 MHz = Range 2

DESCRIPTION	MODEL	ITEM									
Preselector Filter Hybrid 132-162 MHz	TFD1011A	1									
Preselector Filter Hybrid 146-174 MHz	TFD1012A	1									
Intermediate Power Amplifier 132-162 MHz	TLD2641A			1		1				1	
Intermediate Power Amplifier 146-174 MHz	TLD2642A				1	1				1	
Receive VCO 132-158 MHz	TRD1841A		1				1				
Receive VCO 146-174 MHz	TRD1842B		1					1			
Transmit VCO 132-158 MHz	TTD1731A		1								1
Transmit VCO 146-174 MHz	TTD1732B		1								1

ITEM	DESCRIPTION
TFD6491A	Hybrid Low Pass Filter 132-174 MHz
TLD9400A	VCO Hardware 132-174 MHz
TLD9411A	Intermediate Power Amplifier Module 132-158 MHz
TLD9412A	Intermediate Power Amplifier Module 146-174 MHz
TLD9420A	Hybrid IPA Circuit 132-174 MHz
TRD6331A	Receiver VCO Circuit Board 132-158 MHz
TRD6332B	Receiver VCO Circuit Board 146-174 MHz
TRD6340A	Hybrid RF Amp/Mixer 132-174 MHz
TRN7125A	Preselector Hardware 132-158 MHz
TRN7126A	Preselector Hardware 146-174 MHz
TRN9930A	Intermediate Power Amplifier Hardware
TTD6231A	Transmit VCO Circuit Board 132-158 MHz
TTD6232B	Transmit VCO Circuit Board 146-174 MHz

MSFX003
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