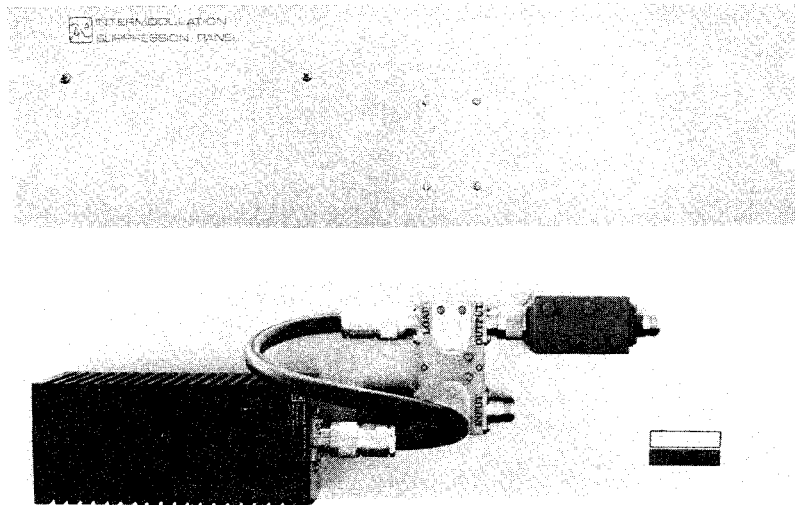


IM SUPPRESSION PANEL

- *ELIMINATES TRANSMITTER IM*
- *PRE ASSEMBLED*
- *ONE COMPLETE PACKAGE*



Intermod Suppression panels designed and manufactured by Microwave Associates include all necessary circulators, terminations, filters and cables assembled on one easy-to-install panel engineered to fit your individual needs.

The installation of an Intermod Suppression Panel is recommended in any system where congestion may exist. In addition to eliminating transmitter intermodulation the suppression panel provides constant impedance to the transmitter output as well as protecting against an open or shorted antenna.

Select the series best suited for your needs from the chart shown on the reverse side by determining:

1. Frequency band
2. Transmitter power
3. Amount of protection (isolation in dB) desired
4. Termination rating (Select power rating most closely matching your transmitter output for maximum protection and minimum cost)
5. Need of low pass filter to reduce second and third harmonics



M/A-COM LAND MOBILE COMMUNICATIONS INCORPORATED

SPECIFICATIONS:

LOW BAND: 25-50 MHz

TX POWER	ISOLATION dB		INSERTION LOSS dB		18" PANEL HEIGHT	COMPONENTS*††	SERIES	MODEL †
	TYPICAL	MIN.	TYPICAL	MAX.				
150 Watts	22	17	0.75	1.1	8¾ In.	7N047 (I) Option (T) D4068 (F)	Suburban	LL-17-
	44	34	1.50	2.1	8¾ In.	(2) 7N047 (I) Option (T) D4068 (F)	Metro	LL-34-
350 Watts	22	17	0.75	1.1	8¾ In.	7N053 (I) Option (T) D4068 (F)	Suburban	HL-17-
	44	34	1.50	2.1	8¾ In.	(2) 7N053 (I) Option (T) D4068 (F)	Metro	HL-34-

VHF: 146-174 MHz

TX POWER	ISOLATION dB		INSERTION LOSS dB		18" PANEL HEIGHT	COMPONENTS*††	SERIES	MODEL †
	TYPICAL	MIN.	TYPICAL	MAX.				
125 Watts	30	27	.7	.9	5¼ In.	H360 (I/T) Option (T) D4065 (F)	Suburban	LV-25-
	60	50	1.0	1.3	5¼ In.	7R021 (I/T) Option (T) D4065 (F)	Metro	LV-50-
400 Watts	25	21	.5	.6	8¾ In.	XH4196Q (I) Option (T) D4065 (F)	Suburban	HV-20-
	50	42	1.0	1.2	8¾ In.	(2) XH4196Q (I) Option (T) D4065 (F)	Metro	HV-40-

UHF: 406-512 MHz

TX POWER	ISOLATION dB		INSERTION LOSS dB		18" PANEL HEIGHT	COMPONENTS*††	SERIES	MODEL †
	TYPICAL	MIN.	TYPICAL	MAX.				
125 Watts	30	27	.5	.7	5¼ In.	H360 (I/T) Option (T) D4066 (F)	Suburban	LU-25-
	60	50	.9	1.3	5¼ In.	7R011 (I/T) Option (T) D4066 (F)	Metro	LU-50-
	90	75	.9	1.1	8¾ In.	7R037 (I) Option (T) D4065 (F)	Metro	LU-70-
400 Watts	28	25	.5	.6	8¾ In.	7N013 (I) Option (T) D4066 (F)	Suburban	HU-25-
	60	50	.9	1.1	8¾ In.	7R016 (I) Option (T) D4066 (F)	Metro	HU-50-
	90	75	1.0	1.3	8¾ In.	7R038 (I) Option (T) D4066 (F)	Metro	HU-70-

UHF: 806-960 MHz

TX POWER	ISOLATION dB		INSERTION LOSS dB		18" PANEL HEIGHT	COMPONENTS*††	SERIES	MODEL †
	TYPICAL	MIN.	TYPICAL	MAX.				
200 Watts	25	22	.5	.7	8¾ In.	7N034 (I) Option (T) D4067 (F)	Suburban	L8-23-
	55	50	.6	.8	8¾ In.	7R040 (I) Option (T) D4067 (F)	Metro	L8-50-
	75	70	.9	1.3	8¾ In.	7R032 (I) Option (T) D4067 (F)	Metro	L8-70-

* (I/T) = ISOLATOR, TUNABLE

(I) = ISOLATOR

(T) = TERMINATION

-1 20 watts -4 100 watts
-2 35 watts -5 150 watts
-3 50 watts -6 300 watts

(F) = FILTER††

ORDERING INFORMATION:

† To specify a model number select basic model and termination option most closely matching your transmitter power.

†† If the low-pass filter is not needed add suffix 'A' to the model number.

Please specify exact transmitter frequency and power in addition to model number when ordering. Should you desire more information or be in doubt of required isolation for your application, contact us for personal reply. All units will be shipped pre-tuned for your transmitter ready for cabinet or rack mounting.

LL-17	-3	-	A
Basic Model	Termination Rating	Lowpass Filter Deletion	