

MPI

TECHNICAL SPECIFICATIONS

**FMA-298G
WIDEBAND DIPLEXER**

**HIGH OPERATING POWER
HIGH SELECTIVITY**

LOW-BAND CHARACTERISTICS

Passband	0-400 MHz
Insertion Loss over passband	0.5 dB max.
VSWR, over passband	1.5:1 max.
Rejection, 450 - 800 MHz	60 dB min.
800 - 1200 MHz	50 dB min.
1200 - 1950 MHz	40 dB min.
Isolation, Lowpass to Highpass, 0-330 MHz	60 dB min.
Lowpass to Highpass, 330-390 MHz	30 dB min.
Lowpass to Highpass, 445- 800 MHz	60 dB min.
Lowpass to Highpass, 800-1950 MHz	40 dB min.
Power Handling Capability, 2-32 MHz	1260 W, CW max.
32 - 174 MHz	250 W, CW max.
174 - 1400 MHz	125 W, CW max.

HIGH-BAND CHARACTERISTICS

Passband	450-1950 MHz
Insertion Loss, 450-470 MHz	1.0 dB max.
470- 1150 MHz	0.5 dB max.
1150- 1450 MHz	0.6 dB max.
1450- 1650 MHz	0.7 dB max.
1650- 1950 MHz	0.8 dB max.
VSWR, 450-470 MHz	1.5:1 max.
470-1150 MHz	1.5:1 max.
1150-1450 MHz	1.6:1 max.
1450-1650 MHz	1.7:1 max.
1650-1950 MHz	1.8:1 max.
Rejection, 0-290 MHz	80 dB min.
90 - 330 MHz	60 dB min.
330 - 370 MHz	40 dB min.
Power Handling Capability,	
450 - 1150 MHz	100 W, CW max.
1090 +/-5 MHz	1KW peak, 50 W ave.

GENERAL CHARACTERISTICS

Size	2.10 " x 9.00 " x 1.50 "
Environment	Airborne / Shipboard
Weight	2 pounds max.
Connectors	Type N-female

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