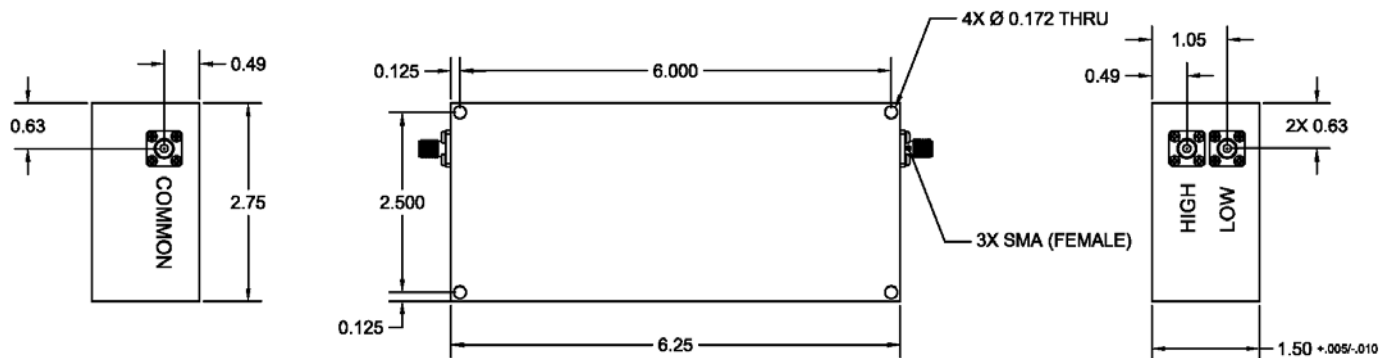




FMA-299H

VHF-UHF DIPLEXER



ELECTRICAL SPECIFICATIONS

LOW-BAND CHARACTERISTICS

Passband	0-174 MHz
Insertion Loss, over passband	0.5 dB max.
VSWR, over passband	1.4:1 max.
REJECTION	
225-650 MHz	60 dB min.
650-2100 MHz	40 dB min.
ISOLATION, Lowpass to Highpass	
0-156 MHz	80 dB min.
156-174 MHz	60 dB min.
225-650 MHz	60 dB min.
650-2100 MHz	40 dB min.
Power Handling Capability over Passband	200 W CW*
Group Delay Variation, 100 to 174 MHz	≤12 ns

HIGH-BAND CHARACTERISTICS

Passband	225-1400 MHz
Insertion Loss	
225-245 MHz	0.65 dB max.
245-1400 MHz	0.5 dB max.
VSWR, over passband	1.4:1 max.
Rejection, 100-174 MHz	60 dB min.
ISOLATION, Highpass to Lowpass	
0-156 MHz	80 dB min.
156-174 MHz	60 dB min.
225-650 MHz	60 dB min.
650-2100 MHz	40 dB min.
Power Handling Capability over Passband	200 W CW*

*Applicable with diplexer mounted on a plate, 0.125" thick x 3.5" wide and 7.0" long min., for thermal dissipation.

GENERAL CHARACTERISTICS

Environment (not exposed to weather)	Shipboard
Operating Temperature	-40°C to +70°C*
Weight	20 oz. max.
SIZE, excluding connectors	6.25" x 2.75" x 1.50"
CONNECTORS	SMA (female)
Mounting	4X Ø.172 thru holes

REV: 10/13/16