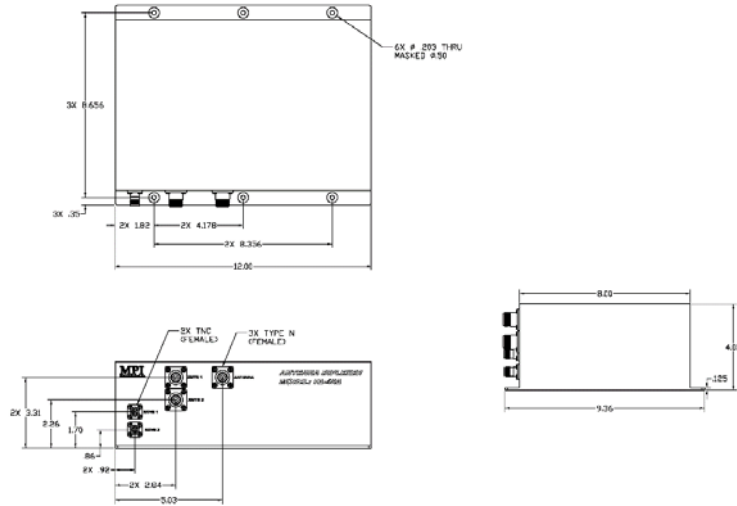




FA-48A ANTENNA DIPLEXER

UHF SATCOM (DAMA) TWO RADIO INDEPENDENT OPERATION



ELECTRICAL SPECIFICATIONS

Receive Channels (Note 2)

Passband	243-270 MHz
Insertion Loss, $\pm 1/4$ dB amplitude balance	1.5 dB max. (Note 3)
VSWR	1.5:1 max.
Input Signal	1 W CW max.
Stopband	
0-216 MHz and 291-295 MHz	90 dB min.
295-512 MHz	95 dB min.
512-1200 MHz	90 dB min.
Isolation, Output to Output	20 dB min.

Transmit Channels (Note 1)

Passband	291-318.3 MHz
Insertion Loss, ± 1 dB amplitude balance	1.6 dB max. (Note 3)
VSWR	1.4:1 max.
Input RF Power	250 W CW max. (Note 4)
Stopband	
0-265 MHz	95 dB min.
265-270 MHz	85 dB min.
350-512 MHz	95 dB min.
512-1200 MHz	90 dB min.
Isolation	
Output (ANT) to Input	23 dB min.
Input to Input	50 dB nom.

NOTES:

1. XMTR 1 port to ANTENNA port, and XMTR 2 to ANTENNA port
2. ANTENNA port to RCVR 1 port and ANTENNA port to RCVR 2 port.
3. Loss in addition to the 3 dB power split
4. 125 W-CW per radio

GENERAL CHARACTERISTICS

Size, excluding connectors	12.0" x 9.4" x 4.0"
Weight	12 lbs. nom.
Connectors	
XMTR, ANT	Type N Female
RCVR	TNC Female

REV: 12/19/16