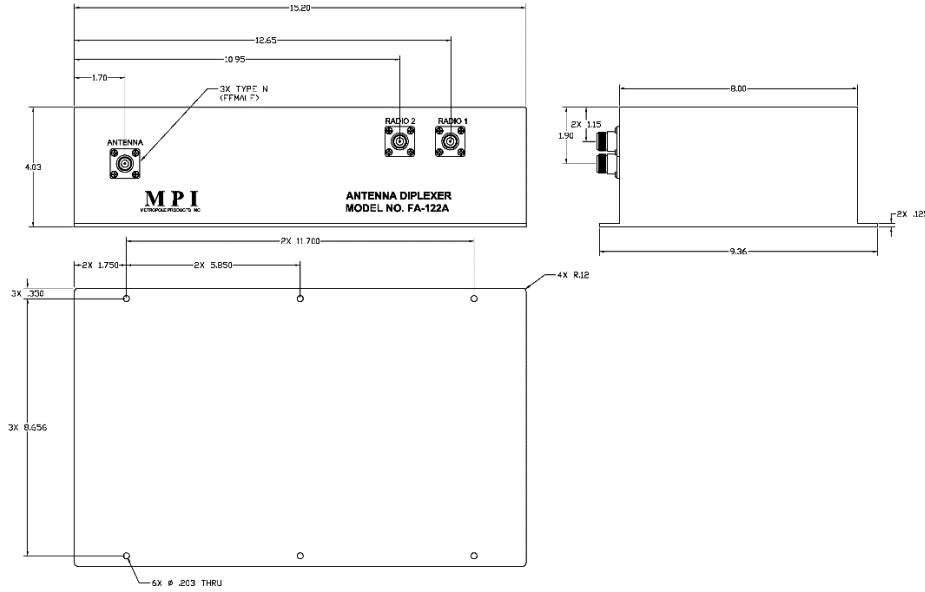




# FA-122A

# ANTENNA DUAL DIPLEXER



DUAL RADIO INDEPENDENT OPERATION

## ELECTRICAL SPECIFICATIONS

### Receive Mode (Note 2)

Passband	243-270 MHz
Insertion Loss	2.3 dB max. (Note 5)
VSWR	1.5:1max.
Input Signal	5 W CW max.
Stopband	
0-220 MHz	95 dB min.
330-512 MHz	100 dB min.
512-1300 MHz	95 dB nom.
Isolation, Output to Output (J1 to J2)	20 dB min.

### Transmit Mode (Note 1)

Passband	291-318.3 MHz
Insertion Loss	2.4 dB max. (Note 3)
VSWR	1.4:1max.
Input RF Power	250 W CW max. (Note 4)
Stopband	
0-220 MHz	100 dB min.
220-225 MHz	75 dB min.
335-400 MHz	90 dB min.
400-1300 MHz	95 dB min.
Isolation, 291-318.3 MHz	
J3 to J1 or J2	26 dB min.
J1 to J2	60 dB min.

### NOTES:

1. RADIO 1 (J1) to ANT (J3), and RADIO 2 (J2) to ANT (J3).
2. ANT(J3) to RADIO 1 (J1) and ANT (J3) to RADIO 2 (J2).
3. Loss in addition to the 3 dB power split, and  $\pm 1.2$  dB amplitude balance.
4. 125 W-CW per radio.
5. Loss in addition to the 3 dB power split, and  $\pm 0.6$  dB amplitude balance.
6. U-channel mounting bracket adds 1 lb.

## GENERAL CHARACTERISTICS

Size	15.2" x 9.4" x 4.1"
(excluding connectors and mounting bracket)	
Weight	19 lbs. nom. (Note 6)
Connectors	Type N Female

REV: 1/23/17