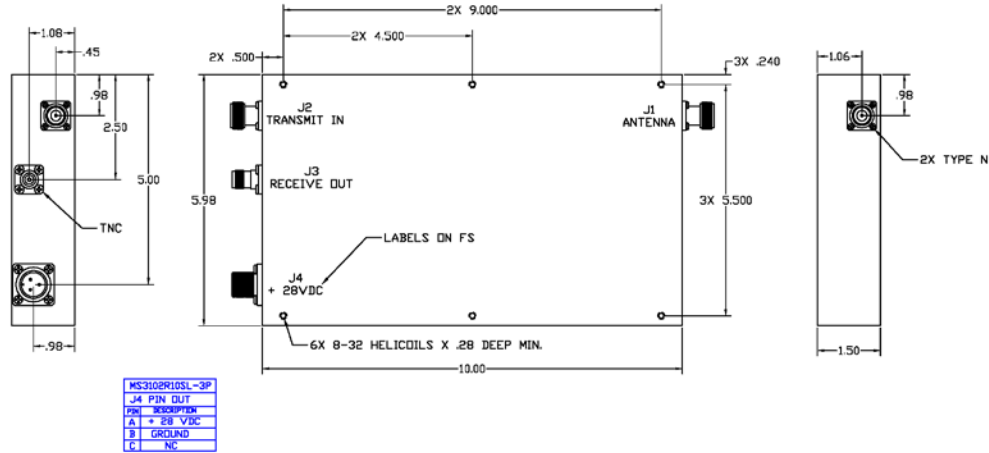




# FAM-252A

# DIPLEXER PREAMPLIFIER



## ELECTRICAL SPECIFICATIONS

### RECEIVE CHANNEL CHARACTERISTICS, J1 TO J3

Passband Rolloff, 243-270 MHz	1.0 dB max.
VSWR, 243-270 MHz	1.5:1 max.
Stopband	
0-210 MHz	90 dB min.
210-220 MHz	75 dB min.
291-292 MHz	85 dB min.
292-1150 MHz	90 dB min.
Gain, 243-270 MHz	30 to 34 dB
Noise Figure, 243-270 MHz	2.5 dB max.
Input @ 1dB gain compression	-18 dBm min.
Input Signal, max.** 243-270 MHz	1W, CW
Intercept Point, third order	+21 dBm nom.
Rejection, TRANS to RCVR	
2-240 MHz*	90 dB min.
240-270 MHz*	50 dB min.
291-300 MHz*	70 dB min.
300-400 MHz*	85 dB min.
DC Operating Current, +20 to +34 VDC	90 mA nom.

### TRANSMIT CHARACTERISTICS, J2 TO J1

Passband	291-318.3 MHz
Insertion Loss over passband	1.0 dB max.
VSWR, 291-318.3 MHz	1.5:1 max.
Input Power (50K feet max.)	150 W CW max.
Stopband	
0-260 MHz	90 dB min.
260-270 MHz	80 dB min.
345-355 MHz	85 dB min.
355-1150 MHz	90 dB min.

## GENERAL CHARACTERISTICS

Environment	Airborne/ Weatherproof
Weight	5 lbs. max.
Connectors	
J1 and J2	Type N (Female)
J3	TNC (Female)
J4	MS3102R10SL-3P

\* Includes Gain of Preamplifier

\*\* Protection Level, higher beyond passband

REV: 9/16/16