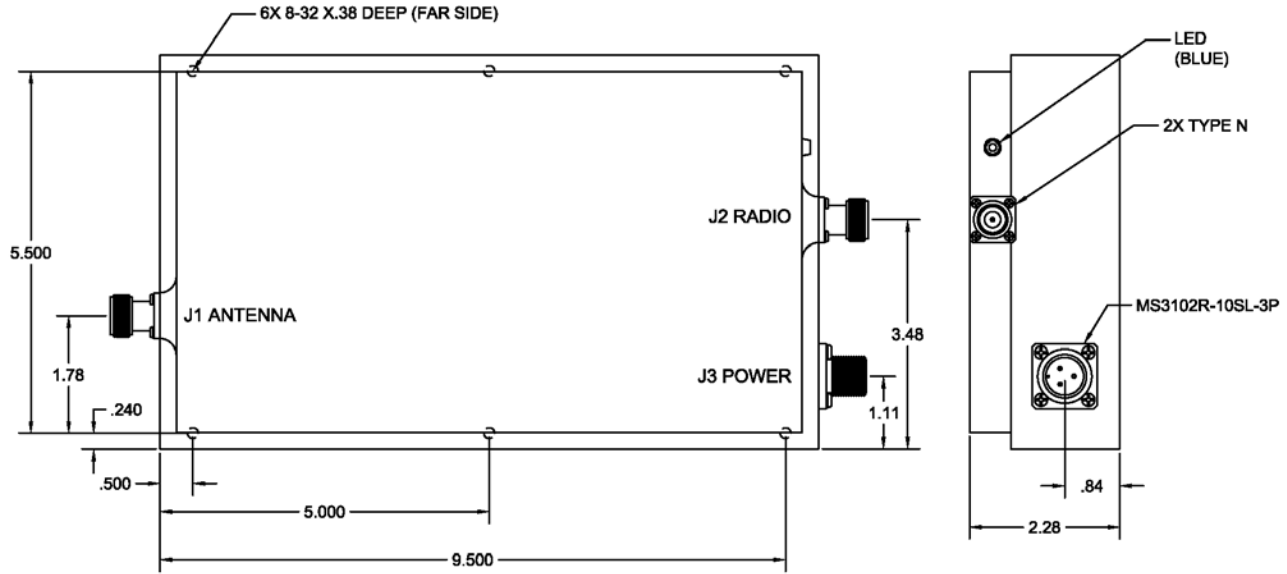




DFP-106ABS

DUAL DIPLEXER / LNA



ELECTRICAL SPECIFICATIONS

RECEIVE PERFORMANCE, J1 to J2

Passband Roll-off, 243-270 MHz	1.5 dB max.
VSWR, 243-270 MHz	1.5:1 max.
Stopband	
0-216 MHz	80 dB min.
216-230 MHz	50 dB min.
355-380 MHz	60 dB min.
380-1120 MHz	80 dB min.
Gain, 243-270 MHz	28 dB min.
Noise Figure, 243-270 MHz	2.6 dB max.
Input @ 1 dB gain compression	-25 dBm min.
Input signal, Protection Level, 243-270 MHz.	1W, CW
Intercept point, third order, nominal	+20 dBm

BYPASS MODE (Power off)

225-400 MHz	0.3 dB max.
225-400 MHz	1.35:1 max.

NOTE 1: Limited by LNA reverse isolation

TRANSMIT PERFORMANCE, J2 to J1

Passband	291-318.3 MHz
Insertion Loss, 295-315 MHz	1.0 dB max.
Insertion Loss over passband	1.2 dB max.
VSWR over 291-318.3 MHz	1.5:1 max.
RF Input Power, CW	+21.5 dBW
Stopband	
0-225 MHz	90 dB min.
225-270 MHz, Note 1	55 dB nom.
355-400 MHz	60 dB min.
400-1000 MHz	70 dB min.

GENERAL CHARACTERISTICS

Environment*	Airborne/ Shipboard
Weight	6.5 lbs. max.
Power	
Voltage	+28 VDC nom.
Current	340 mA max.
Tolerance:	
values > 50dB	±2 dB

* Not Directly Exposed to Weather

REV: 12/19/16