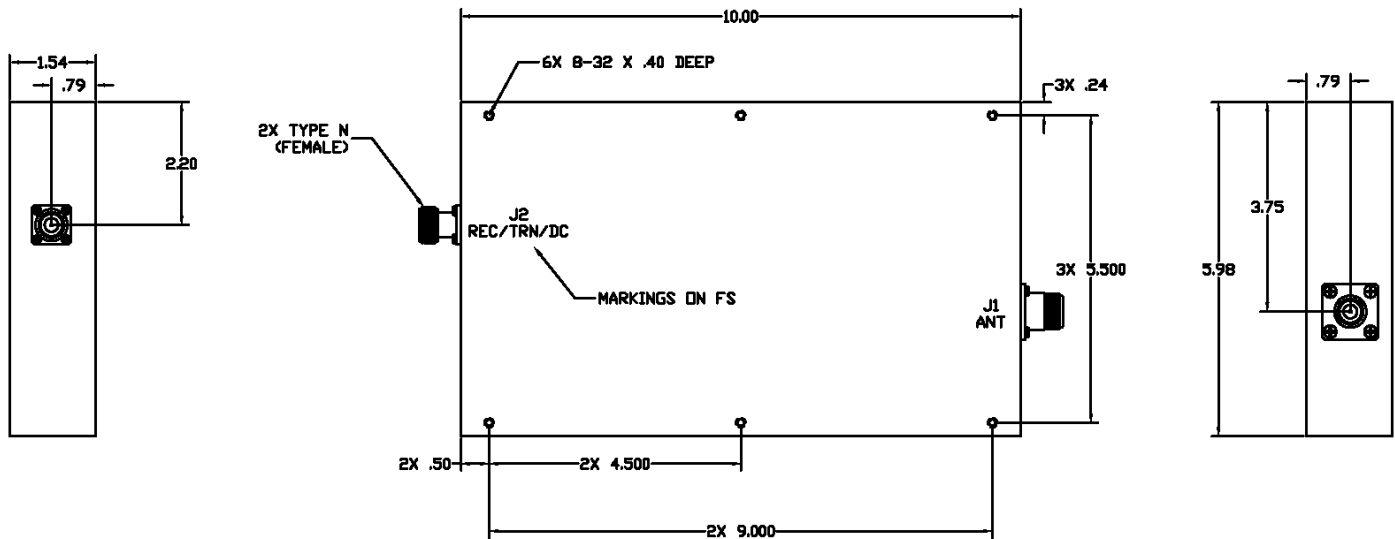




DFP-106B DIPLEXER-PREAMPLIFIER

FULL DUPLEX OPERATION



ELECTRICAL SPECIFICATIONS RECEIVE CHARACTERISTICS, J1-J2

Passband	243-270 MHz
Gain, 243-270 MHz	28 dB min.
Gain Variation/Rolloff	1.5 dB max.
STOPBAND	
0-216 MHz	90 dB min.
216-230 MHz	50 dB min.
340-400 MHz	60 dB min.
400-1000 MHz	90 dB min.
VSWR, 243-270 MHz	1.6:1 max.
Noise figure, 243-270 MHz	2.5 dB max.
Input @ 1 dB gain compression	-25 dBm min.
Input Signal, protection level, 243-270 MHz	1 W, CW
Intercept point, third order	+20 dBm nom.

TRANSMIT CHARACTERISTICS, J2-J1

Passband	291-318.3 MHz
Insertion Loss, 295-315 MHz	0.8 dB max.
Insertion Loss, passband	1.0 dB max.
VSWR, 291-318.3 MHz	1.4:1 max.
RF Input Power	140 W max.
Stop band	
0-225 MHz	90 dB min.
225-270 MHz	60 dB nom.
350-400 MHz	60 dB min.
400-1000 MHz	90 dB min.

GENERAL CHARACTERISTICS

Environment	Airborne/ Shipboard
Size, excluding connectors	10.00" X 5.98" x 1.54"
Weight	6 lbs. max.
Operating Current, +24 to +32 VDC	100 mA max.

REV: 8/25/16