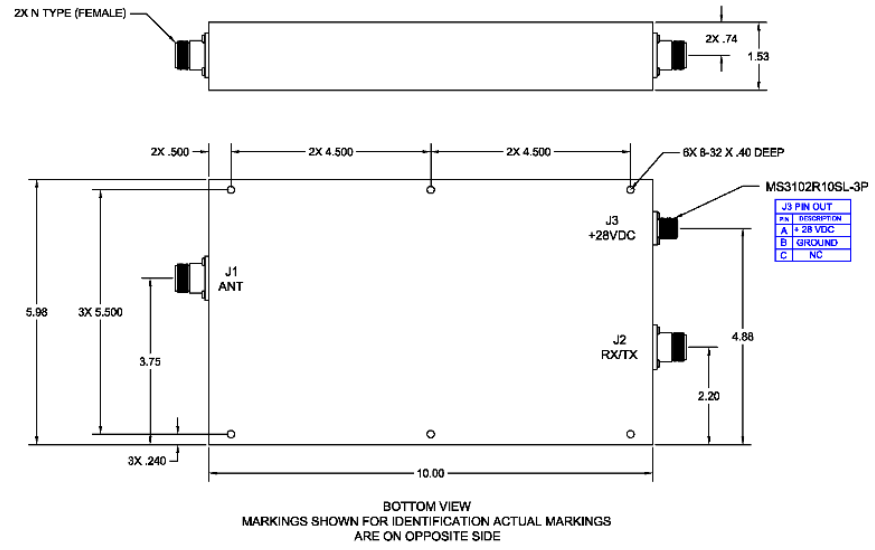




DFP-106A DUAL DIPLEXER-PREAMPLIFIER

SINGLE PORT-FULL DUPLEX



ELECTRICAL SPECIFICATIONS RECEIVE CHARACTERISTICS, J1-J2

Passband	243-270 MHz
Gain, 243-270 MHz	29 dB min.
Gain Variation/ Rolloff	1.5 dB max.
STOPBAND	
0-216 MHz	90 dB min.
216-230 MHz	60 dB min.
340-380 MHz	75 dB min.
380-1000 MHz	90 dB min.
VSWR, 243-270 MHz	1.5:1 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.

Note 1: Limited by LNA reverse isolation

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, CW	130 W max.
Stopband	
0-225 MHz	90 dB min.
225-270 MHz, Note 1	55 dB nom.
355-400 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	90 mA nom.

* Not Directly Exposed to Weather

REV: 12/19/16