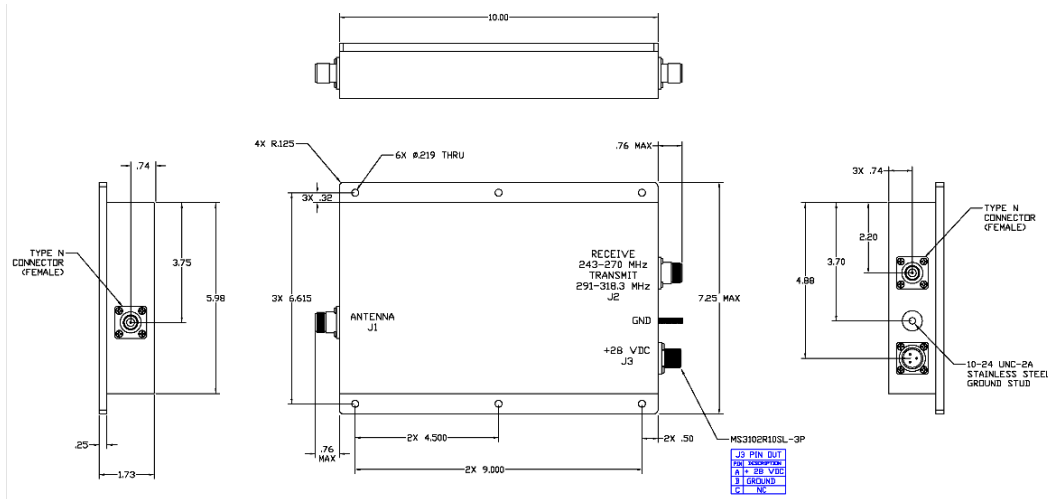




DFP-106AH

DUAL DIPLEXER-PREAMPLIFIER



ELECTRICAL SPECIFICATIONS

RECEIVE CHARACTERISTICS, J1 to J2

Passband Rolloff, 243-270 MHz	1.5 dB max.
VSWR, (RX IN), 243-270	1.5:1 max.
VSWR, (RX OUT), 243-270 MHz	1.6:1 max.
Stopband	
0-216 MHz	90 dB min.
216-230 MHz	60 dB min.
340-360 MHz	60 dB min.
360-1000 MHz	90 dB min.
Gain, 243-270MHz	28 dB min.
Noise Figure, 243-270 MHz	2.5 dB max.
Input@ 1 dB gain compression, 270 MHz	-2 dBm min.
Input signal, Protection Level, 243-270 MHz	100 mW CW
Input signal, Protection Level, 243-270 MHz, 15mS max.	1W max.
Reverse Input, Protection Level, J2, 243-270 MHz, 30 sec. max.	110W CW
Intercept Point, third order	+38 dBm nom.

TRANSMIT CHARACTERISTICS, J2 to J1

Passband	291-318.3 MHz
Insertion Loss	
295-315	0.8 dB max.
Over passband	1.0 dB max.
VSWR, 291-318.3 MHz	1.4:1 max.
RF Input Power, CW	+21.5 dBW
Stopband	
0-230 MHz	90 dB min.
230-270 MHz*	70 dB nom.
355-400 MHz	60 dB min.
400-1000 MHz	90 dB min.

* Limited by LNA reverse isolation

GENERAL CHARACTERISTICS

Environment	Airborne/ Shipboard (Weatherproof)
Size, excluding connectors, and flange	10.00" x 5.98" x 1.73"
Weight	7.3 lbs. max.
Power	
Voltage	+20 to +32 VDC
Current	0.5 A nom.

Rev: 9/12/16