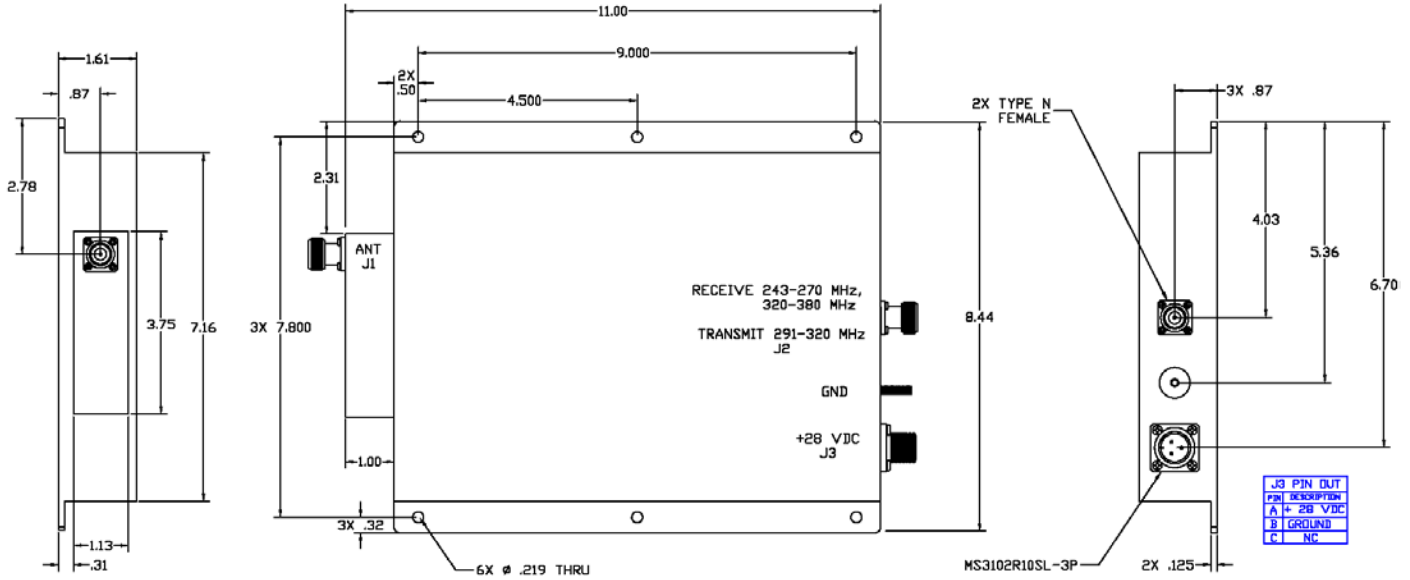




DFP-106AM

DUAL DIPLEXER-PREAMPLIFIER



ELECTRICAL SPECIFICATIONS

UFO RECEIVE CHARACTERISTICS, J1 to J2

Passband	243-270 MHz
VSWR, J1, 243-270 MHz	1.5:1 max.
VSWR, J2, 243-270 MHz	1.4:1 max.
Stopband*	
0-216 MHz	90 dB min.
216-225 MHz	70 dB min.
290-380 MHz	20 dB min.
505-3000 MHz	90 dB min.
Gain, 243-270MHz	18 dB min/22 dB max.
Gain Rolloff, 243-270 MHz	1.5 dB max.
Gain Ripple, 243-270 MHz	0.5 dB max.
Noise Figure, 243-270 MHz	2.5 dB max.
Input@ 1 dB gain compression, 243-270 MHz	-2 dBm min.
Input signal, Protection Level, 243-270 MHz	1 W CW
Reverse Input, J2, 291-320 MHz, 30 sec. max.	110 W CW
Intercept Point, third order	+27 dBm nom.
Reverse isolation, 243-270 MHz	45 dB min.

*Relative to peak gain

**Limited by LNA reverse isolation

*** Not directly exposed to weather

MUOS RECEIVE, J1-J2

TRANSMIT/ RECEIVE, J2-J1

CHARACTERISTICS

Passband	291-380 MHz
Insertion Loss	
291-295 MHz	1.1 dB max.
295-380 MHz	1.0 dB max.
VSWR, 291-380 MHz	1.4:1 max.
RF Input Power, CW	
291-320 MHz	140 W max.
320-380 MHz	50 W max.
Stopband	
0-230 MHz	90 dB min.
230-270 MHz**	45 dB min.
450-540 MHz	60 dB min.
540-3000 MHz	85 dB min.

GENERAL CHARACTERISTICS

Environment***	Airborne/ Shipboard
Size, excluding connectors	11.00" x 8.44" x 1.61"
Weight	7.3 lbs.
Power, LNA Operating	
Voltage	+20 to +32 VDC
Current	0.1 A nom.

Rev: 9/14/2020