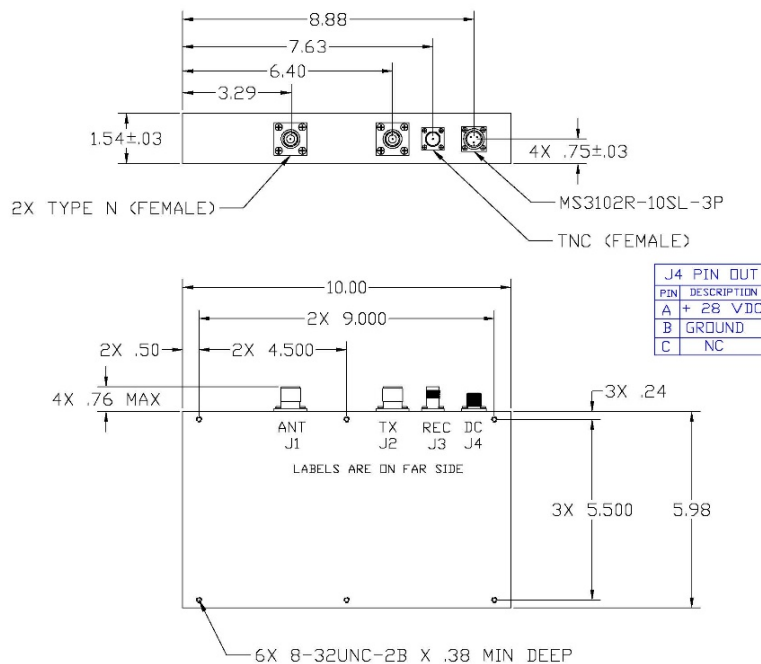




DFP-102RX-1

UHF/SATCOM

Antenna Diplexer with Integral Low Noise Amplifier



ELECTRICAL SPECIFICATIONS

Receive Characteristics, J1 to J3

Passband	243-270 MHz
Gain, 243-270 MHz	31 dB min.
Gain Variation/ Rolloff	1.5 dB max.
Rejection*	
0-125 MHz	90 dB min.
125-180 MHz	75 dB min.
180-200 MHz	65 dB min.
291-512 MHz	100 dB min.
512-700 MHz	90 dB min.
VSWR, J1, 243-270 MHz	1.5:1 max.
Noise Figure	2.5 dB max.
Input @1 dB gain Compression	-18 dBm min.
Input Signal, J1 (243-270 MHz)	1W-CW max.
Intercept Point, Third Order	+22 dBm nom.
Reverse Isolation	55 dB nom.

* Includes Preamp Gain

Transmit Characteristics, J2 to J1

Passband	291-400 MHz
Insertion Loss, Passband	0.7 dB max.
VSWR, Passband	1.4:1 max.
Rejection	
0-32 MHz	50 dB min.
32-225 MHz	40 dB nom.
225-270 MHz	60 dB min.
Transmit Power, CW (Note 1)	200 W max.

GENERAL CHARACTERISTICS

Power	
Voltage (into J4, pin A)	+22 to +32 VDC
Current	0.10 A nom.
Environment	Airborne/Shipboard
Operating Temperature Range	-40°C to +55°C
Size, excluding connectors	10.00" x 5.98" x 1.54"
Weight	5 lbs. max.

Note 1: Operating temperature up to +65°C at 160 W max. transmit power.

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