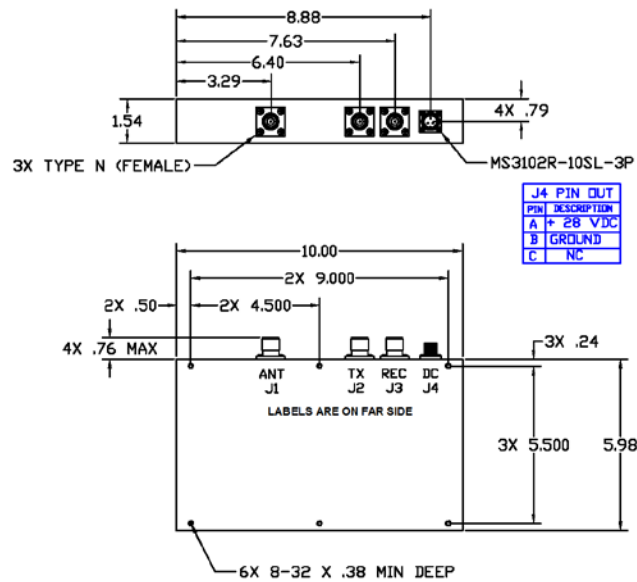




# DFP-102RX

# UHF/SATCOM

## Antenna Diplexer with Integral Low Noise Amplifier



### ELECTRICAL SPECIFICATIONS

#### Receive Characteristics, J1 to J3

Passband	243-270 MHz
Gain, 243-270 MHz	30 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	60 dB min.
291-400 MHz	100 dB min.
400-700 MHz	70 dB min.
VSWR, J1, 243-270 MHz	1.6:1 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.

#### 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	35 dB min.
225-270 MHz	60 dB min.
Transmit Power, CW	+22 dB W max.

### GENERAL CHARACTERISTICS

Power	
Voltage (into J3)	+22 to +32 VDC
Current	90 mA nom.
Environment	Airborne/Shipboard
Size, excluding connectors	10.00" x 5.98" x 1.54"
Weight	5 lbs. max.

\* Includes Preamp Gain

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