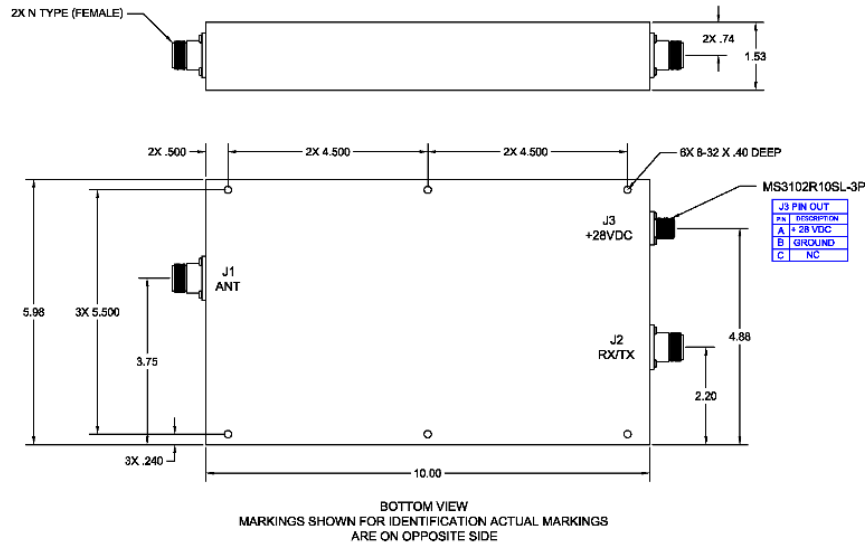




DFP-106A DUAL DIPLEXER-PREAMPLIFIER

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