



DFP-102RB

High Performance Diplexer



DESCRIPTION

A diplexer, used to provide two separate frequency channels to/from a common RF signal source, such as an antenna. It specifically provides channels of 240 to 270 MHz and 290 to 400 MHz. The filter networks used in the DFP-102RB are passive and bilateral, so the device can also be used to combine the two channels. Also, one channel may be used to couple downlink signals, from an antenna, to a receiver; simultaneously coupling uplink signals from a transmitter, through the second channel, to the antenna.

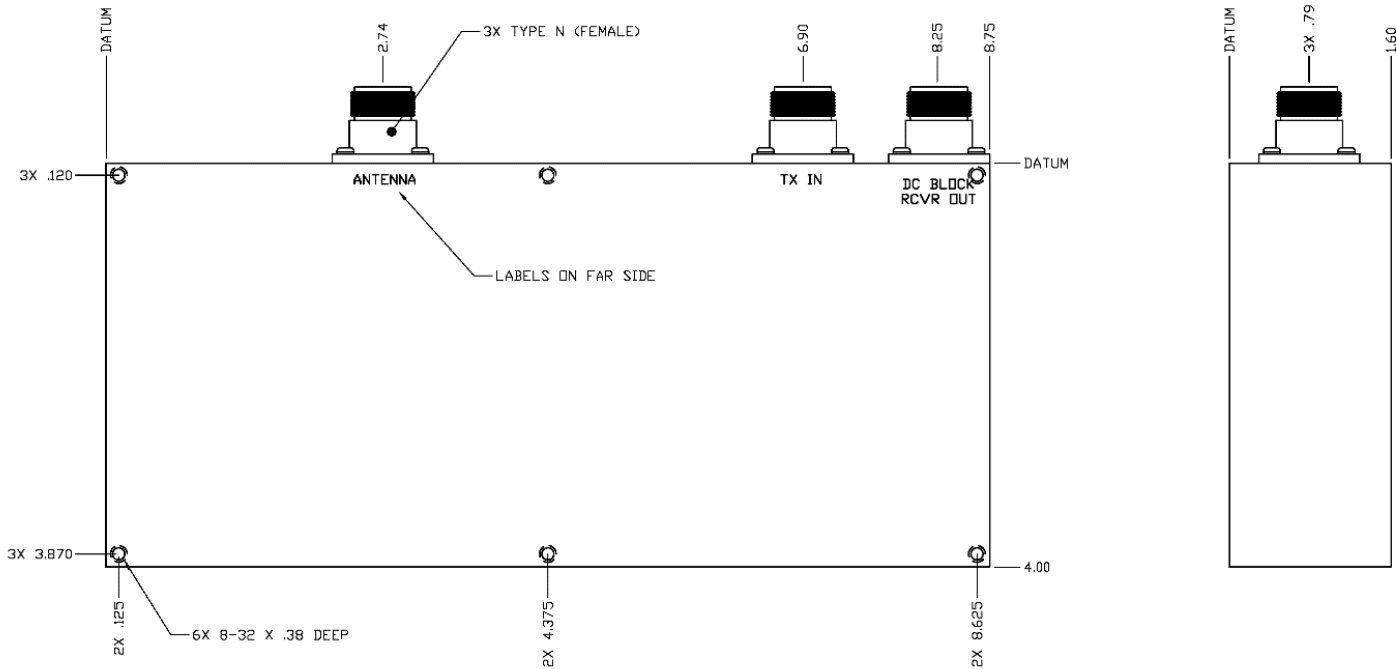
FEATURES

- High Performance/ Ultra Compact
- Sharp Channel Selectivity
- Rugged Construction



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ELECTRICAL SPECIFICATIONS

LOWBAND

| | |
|-----------------------------|-------------|
| Passband Loss, 240-270 MHz | 1.3 dB max. |
| VSWR, 240-270 MHz | 1.5:1 max. |
| Stopband Loss | |
| 0-150 MHz | 90 dB min. |
| 220 MHz | 40 dB min. |
| 283 MHz | 60 dB min. |
| 290-400 MHz | 90 dB min. |
| Power Handling, 290-400 MHz | 2 W max. |

* Not Weather exposed

HIGHBAND

| | |
|-------------------------------|-------------|
| Passband Loss | |
| 290 MHz | 0.9 dB max. |
| 292.5 MHz | 0.7 dB max. |
| 296-400 MHz | 0.6 dB max. |
| VSWR, 290-400 MHz | 1.4:1 max |
| Stopband Loss, 240-270 MHz | 80 dB min. |
| Power Handling, 292.5-400 MHz | 200 W max. |

GENERAL CHARACTERISTICS

| | |
|----------------------------|-----------------------|
| Environment | Shipboard/Airborne* |
| Weight | 3.2 lbs. |
| Size, excluding connectors | 8.75" x 4.00" x 1.60" |
| Connectors | Type N (Female) |

Rev: 8/23/17