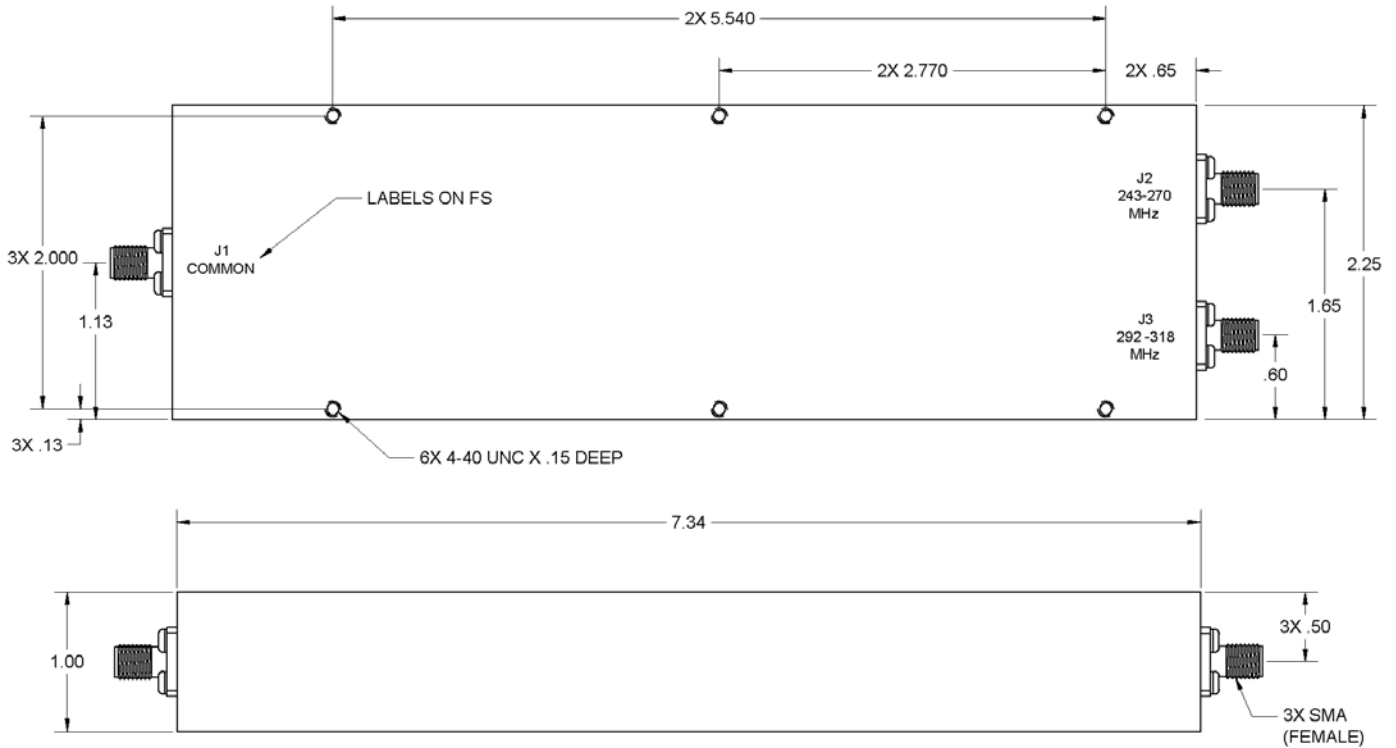




# FMA-297

# UHF SATCOM DIPLEXER



## ELECTRICAL SPECIFICATIONS

### RECEIVE CHANNEL CHARACTERISTICS

|                              |             |
|------------------------------|-------------|
| Passband                     | 243-270 MHz |
| Insertion Loss over passband | 1.3 dB max. |
| VSWR, over passband          | 1.5:1 max.  |
| Stopband                     |             |
| 0-200 MHz                    | 90 dB min.  |
| 200-220 MHz                  | 60 dB min.  |
| 292-305 MHz                  | 70 dB min.  |
| 305-2000 MHz                 | 90 dB min.  |
| Rejection, TRANS to RCVR     |             |
| 0-240 MHz                    | 90 dB min.  |
| 240-270 MHz                  | 50 dB min.  |
| 292-305 MHz                  | 70 dB min.  |
| 305-3000 MHz                 | 90 dB min.  |

### TRANSMIT CHANNEL CHARACTERISTICS

|                              |             |
|------------------------------|-------------|
| Passband                     | 292-318 MHz |
| Insertion Loss over passband | 1.0 dB max. |
| VSWR, over passband          | 1.5:1 max.  |
| Input Power, maximum         | 100 W CW    |
| Stopband                     |             |
| 0-235 MHz                    | 90 dB min.  |
| 235-270 MHz                  | 50 dB min.  |
| 350-370 MHz                  | 60 dB min.  |
| 370-3000 MHz                 | 90 dB min.  |

## GENERAL CHARACTERISTICS

|                            |                       |
|----------------------------|-----------------------|
| Environment                | Airborne              |
| Size, excluding connectors | 7.34" x 2.25" x 1.00" |
| Weight                     | 24 oz.                |
| Connectors                 | SMA (Female)          |

REV: 3/11/2022