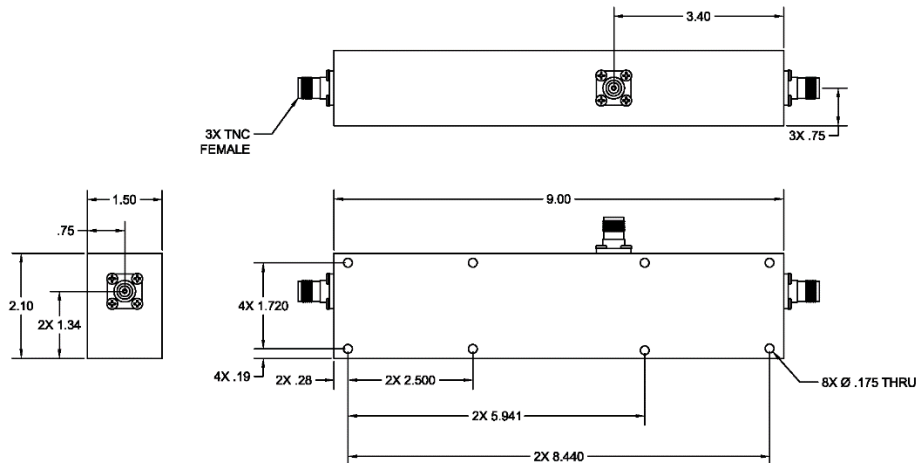




FMA-298T

BANDPASS FILTER



ELECTRICAL SPECIFICATIONS

LOW-BAND CHARACTERISTICS

| | |
|--------------------------------|-----------------|
| Passband | 2-174 MHz |
| Insertion Loss over passband | 0.5 dB max. |
| VSWR, over passband | 1.5:1 max. |
| Rejection | |
| 225-230 MHz | 60 dB min. |
| 230-750 MHz | 70 dB min. |
| 750-950 MHz | 40 dB min. |
| 950-1100 MHz | 60 dB min. |
| 1100-1200 MHz | 50 dB min. |
| 1200-1950 MHz | 60 dB min. |
| Isolation, Lowpass to Highpass | |
| 2-140 MHz | 60 dB min. |
| 140-174 MHz | 30 dB min. |
| 225-750 MHz | 60 dB min. |
| 750-1350 MHz | 40 dB min. |
| 1350-1950 MHz | 60 dB min. |
| Power Handling Capability | |
| 2-32 MHz | 1260 W, CW max. |
| 30-88 MHz | 100 W, CW max. |
| 114-174 MHz | 50 W, CW max. |

HIGH-BAND CHARACTERISTICS

| | |
|----------------|--------------|
| Passband | 225-1950 MHz |
| Insertion Loss | |
| 225-400 MHz | 0.5 dB max. |
| 800-1120 MHz | 0.5 dB max. |
| 1210-1240 MHz | 0.5 dB max. |
| 1560-1600 MHz | 0.5 dB max. |
| 1600-1950 MHz | 0.6 dB max. |

VSWR

| | |
|---------------|-----------|
| 225-400 MHz | 1.5:1 max |
| 800-1120 MHz | 1.5:1 max |
| 1210-1240 MHz | 1.6:1 max |
| 1560-1600 MHz | 1.7:1 max |
| 1600-1950 MHz | 1.8:1 max |

Rejection

| | |
|-------------|------------|
| 2-118 MHz | 80 dB min. |
| 118-140 MHz | 60 dB min. |
| 140-174 MHz | 30 dB min. |

Power Handling Capability

| | |
|----------------|-------------------|
| 225-400 MHz | 250 W, CW max. |
| 1090 +/- 5 MHz | 1200 W, peak max. |
| | 50W, avg. max. |

GENERAL CHARACTERISTICS

| | |
|----------------------------|-----------------------|
| Environment | Shipboard |
| WEIGHT | 2 lbs. max. |
| SIZE, excluding connectors | 9.00" x 2.10" x 1.50" |
| CONNECTORS | TNC (female) |

REV: 11/19/2019