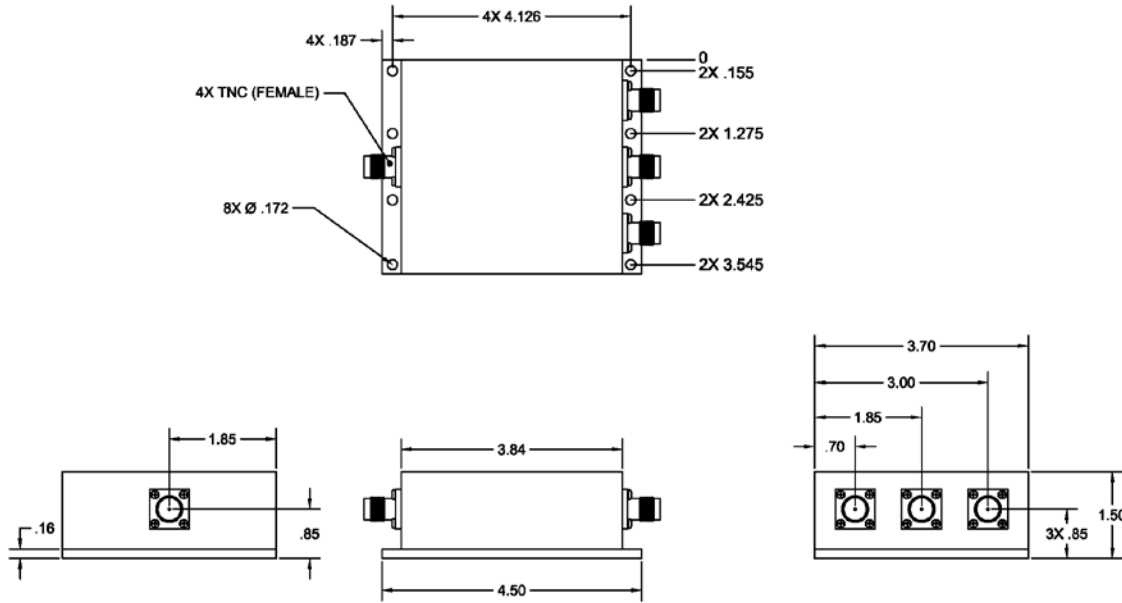




ET-11WA

TRIPLEXER



The ET-11WA is one of a series of multiplexers produced by Metropole Products, Inc. for use with NASA network systems. This unit is a High-Q cavity device which provides low loss consistent with excellent isolation between channels. The ET-11WA is a Triplexer and can be used to combine 3 separate frequencies into a common port or divide the combination into 3 outputs.

For channel spacing of only twice the passband bandwidth, isolation of 25 dB minimum is achieved, while for spacing of 5 times the bandwidth, isolation exceeds 50 dB.

This unit is hermetically sealed and has a power rating in excess of 20 watts at any altitude without problems of Corona, Multipaction or Breakdown.

ELECTRICAL SPECIFICATIONS

| | |
|---------------------|---------------------|
| Frequency | 1700-2400 MHz |
| Pass Band Bandwidth | 0.5% - 5% |
| Pass Band Loss* | 1.0 dB max. |
| Channel Separator | 2X Pass Band min. |
| Isolation* | 20 dB min. |
| VSWR – Pass Band | 1.5:1 max. |
| No. of Sections | 3/ Channel |
| Power | 20 Watts/Channel |
| Vibration | 10 G's – 20-2000 Hz |

GENERAL CHARACTERISTICS

| | |
|----------------------------|-----------------------|
| Size, excluding connectors | 4.50" x 3.70" x 1.50" |
| Weight | 28 oz. |
| Connectors | SMA or TNC (Female) |
| Altitude/ Unlimited | Hermetically Sealed |
| Temperature | -30°C to +60°C |

* Insertion loss and isolation depend on specific channel separation and bandwidth requirements.

REV: 1/16/17