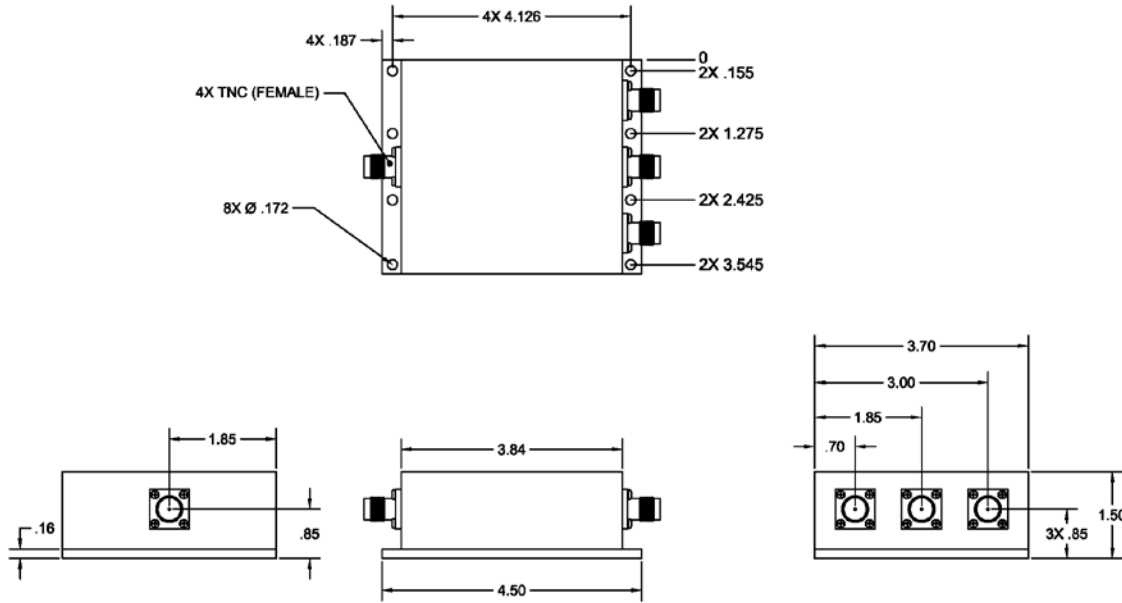




# ET-11WA

# 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