



# 700-970 MHz / 1600-2700 MHz Diplexer



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

**Part Number: AE970-1600D5426**

## Electrical Specifications

**Low Band BW:** 700-970 MHz  
**Insertion Loss @ Low Band BW:** 1.0 dB Max  
**Ripple in BW:** 1.0 dB Max  
**High Band BW:** 1600-2700 MHz  
**Insertion Loss @ High Band BW:** 1.0 dB Max  
**Ripple in BW:** 1.0 dB Max  
**Return Loss over Low/High Pass bands:** 15 dB Min  
**Isolation between Low/High bands:** 60 dB Min  
**Power Handling:** 50 W

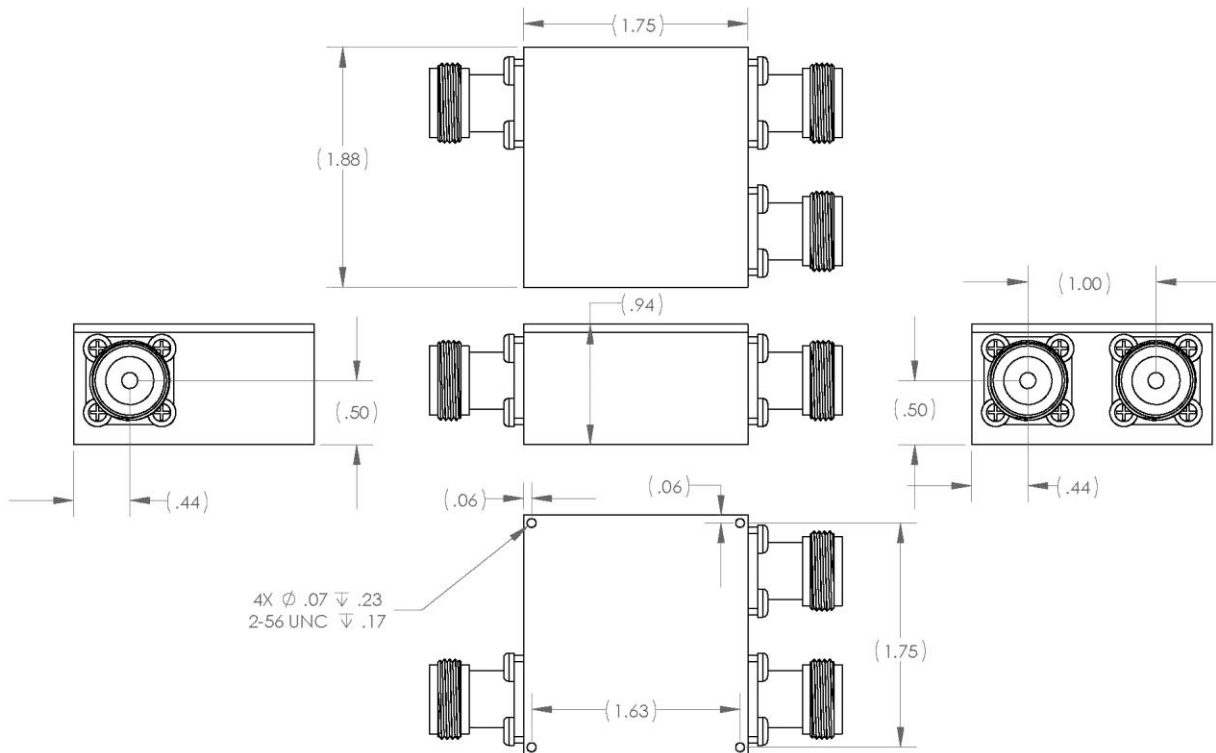
## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** N-Type(F)  
**Dimensions:** 1.75 x 1.88 x 0.94 inches

## Environmental

**Operating Temperature:** -40 to +70° C  
**Storage Temperature:** -50 to +90° C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200Hz

## Outline Drawing:



Tolerance: +/-0.01 inches [ +/-0.3mm] Angles: +/-1 Deg.

\*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

\*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.



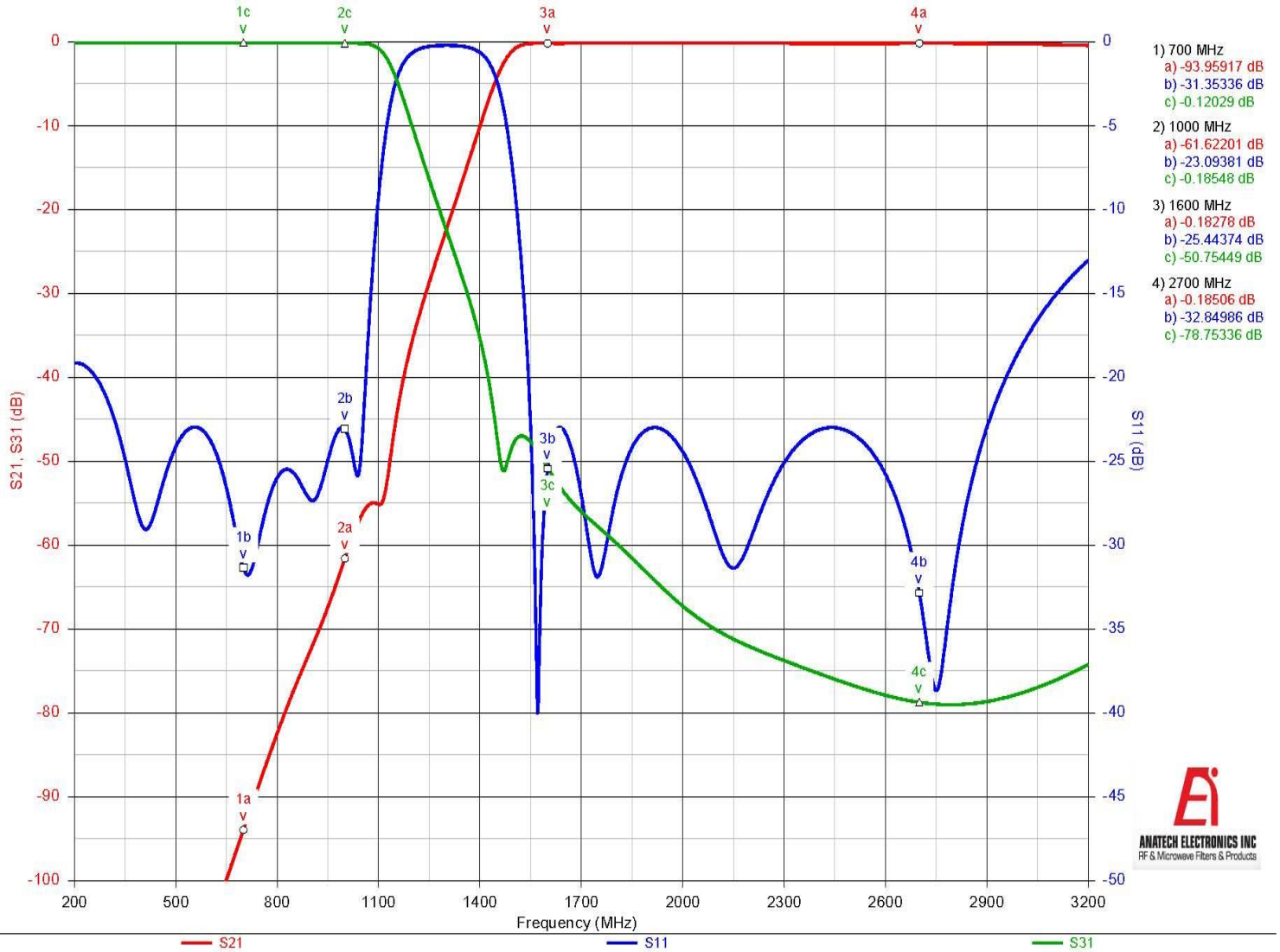
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### Simulated Response Plot:



Note: This is a simulated response plot. Actual performance might differ.