



### Electrical specifications

**Center Frequency (CF):** 1575.42 MHz  
**Bandwidth:** 40 MHz  
**Passband:** 1555.42 – 1595.42 MHz  
**Ripple in Passband:** 1.0 dB Max  
**Insertion Loss @ CF:** 1.0 dB Max  
**Return Loss @ CF:** 18 dB Min  
**Rejection:** 50 dB Min @ 1534.50 MHz  
50 dB Min @ 1616.34 MHz  
**Impedance:** 50 Ohms In/Out  
**Power Handling:** 50 W

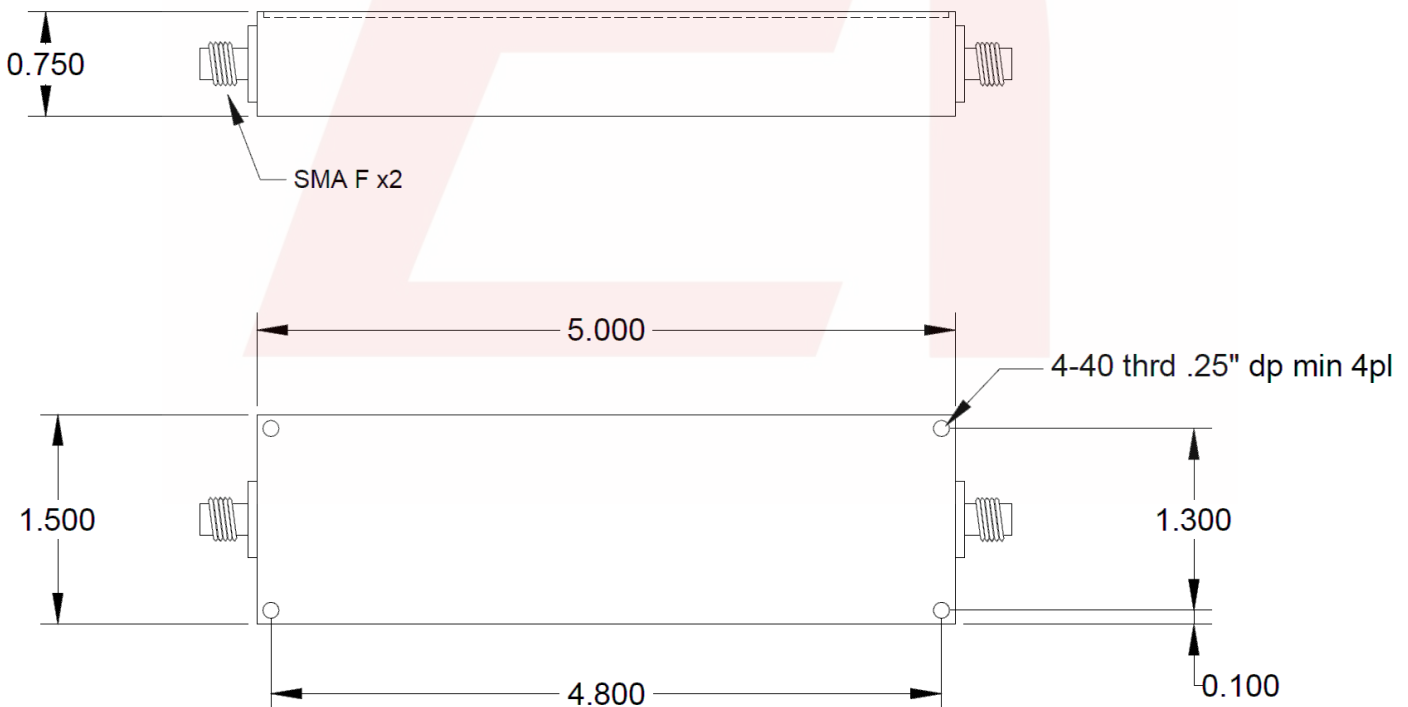
### Mechanical

**Connector Type:** SMA Female  
**Dimensions:** 5.0 x 1.50 x 0.75 in.

### Environmental

**Operating Temperature:** -45 to +85° C  
**Storage Temperature:** -55 to +95° C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 Hz

### Outline Drawing:



DS-B12118-02192024-Rev1



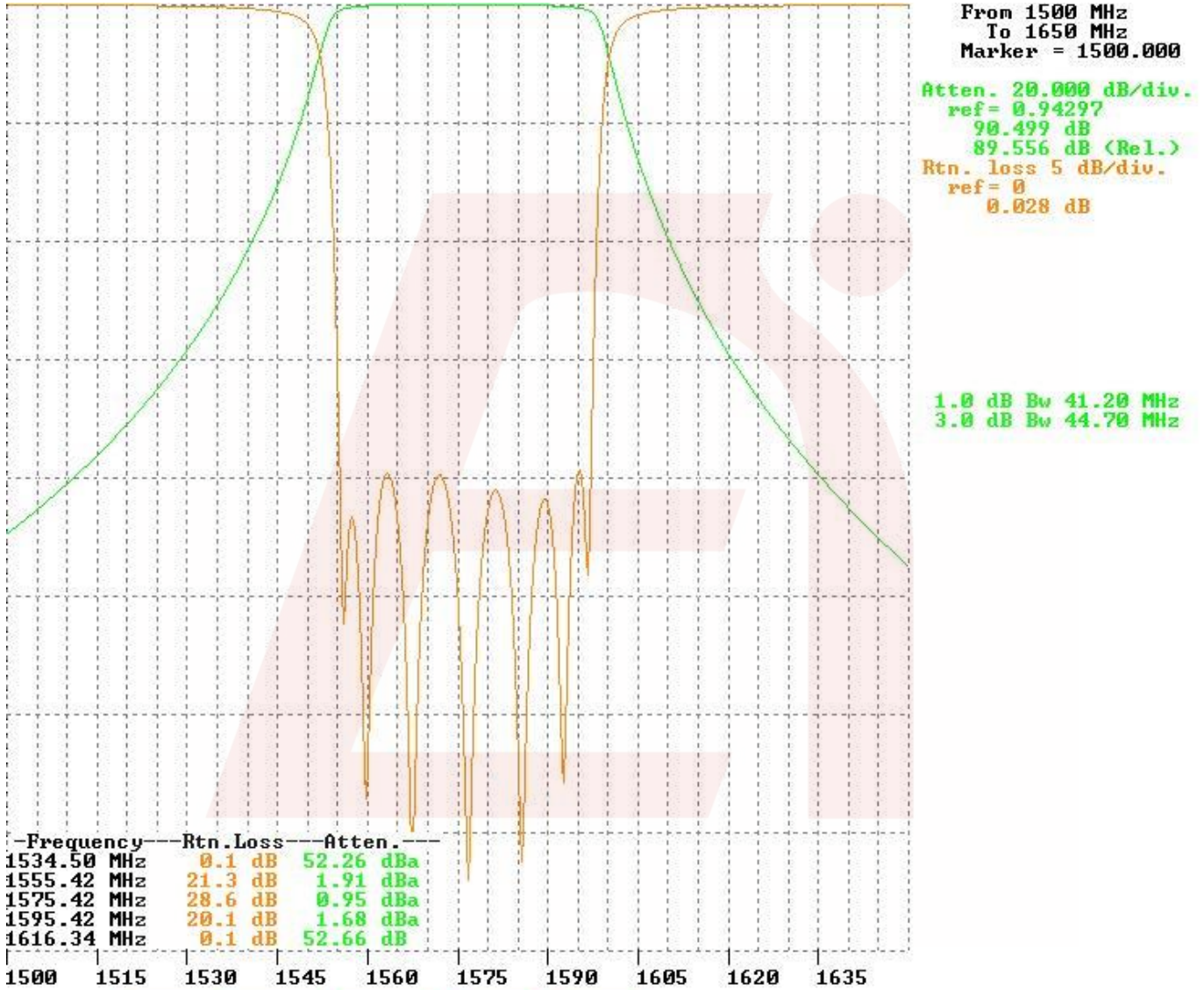
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 1575.42 MHz Cavity Bandpass Filter

Part Number: AE1575B12118



## Simulated Plot:



Note: This is a simulation Plot. Actual response plot might differ.

DS-B12118-02192024-Rev1