



# 1227.6 MHz Cavity Bandpass Filter

Part Number: AE1227B12117



## Electrical specifications

**Center Frequency (CF):** 1227.6 MHz  
**Bandwidth:** 24 MHz  
**Passband:** 1215.6 – 1239.6 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 @ 1186.68 MHz  
50 dB Min @ 1268.52 MHz  
**Impedance:** 50 Ohms In/Out  
**Power Handling:** 50 W

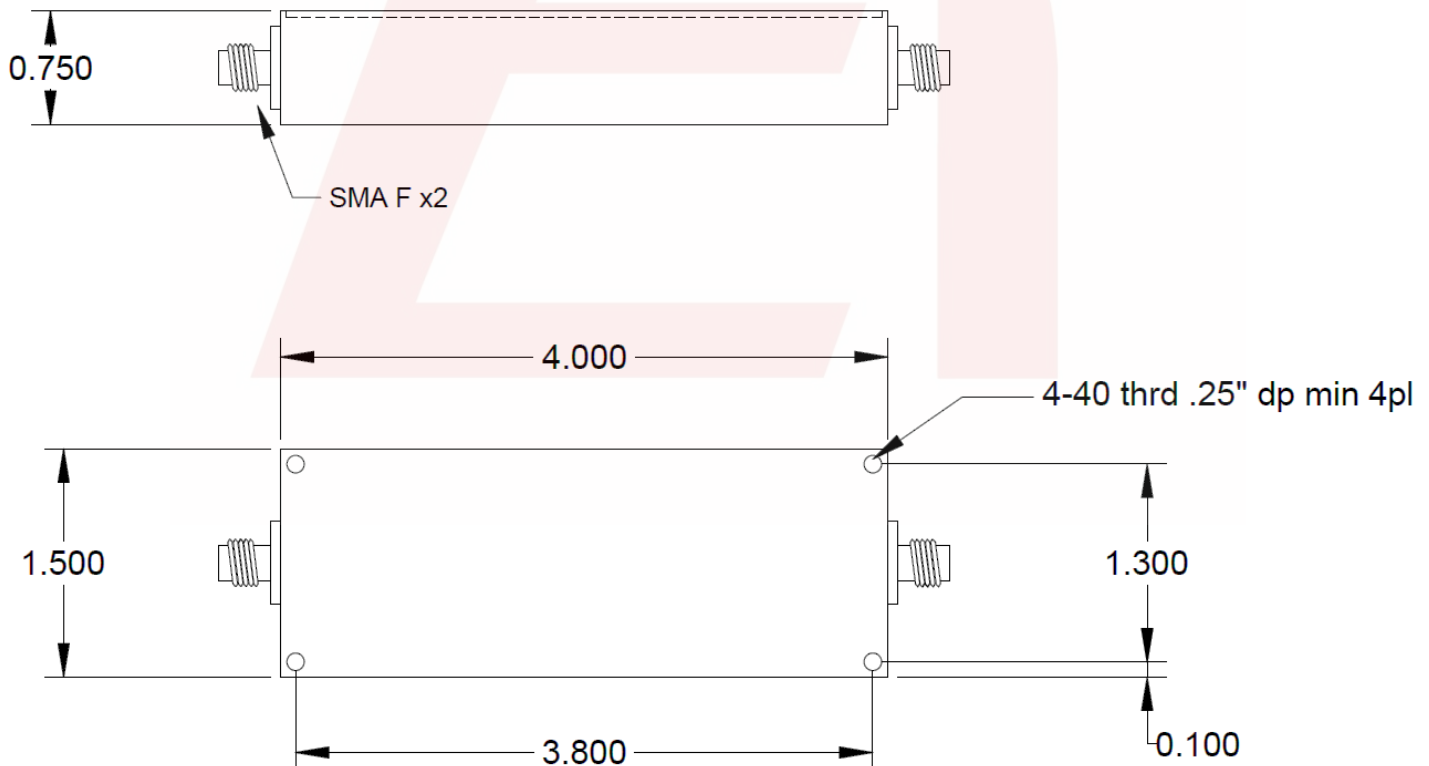
## Mechanical

**Connector Type:** SMA Female  
**Dimensions:** 4.0 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

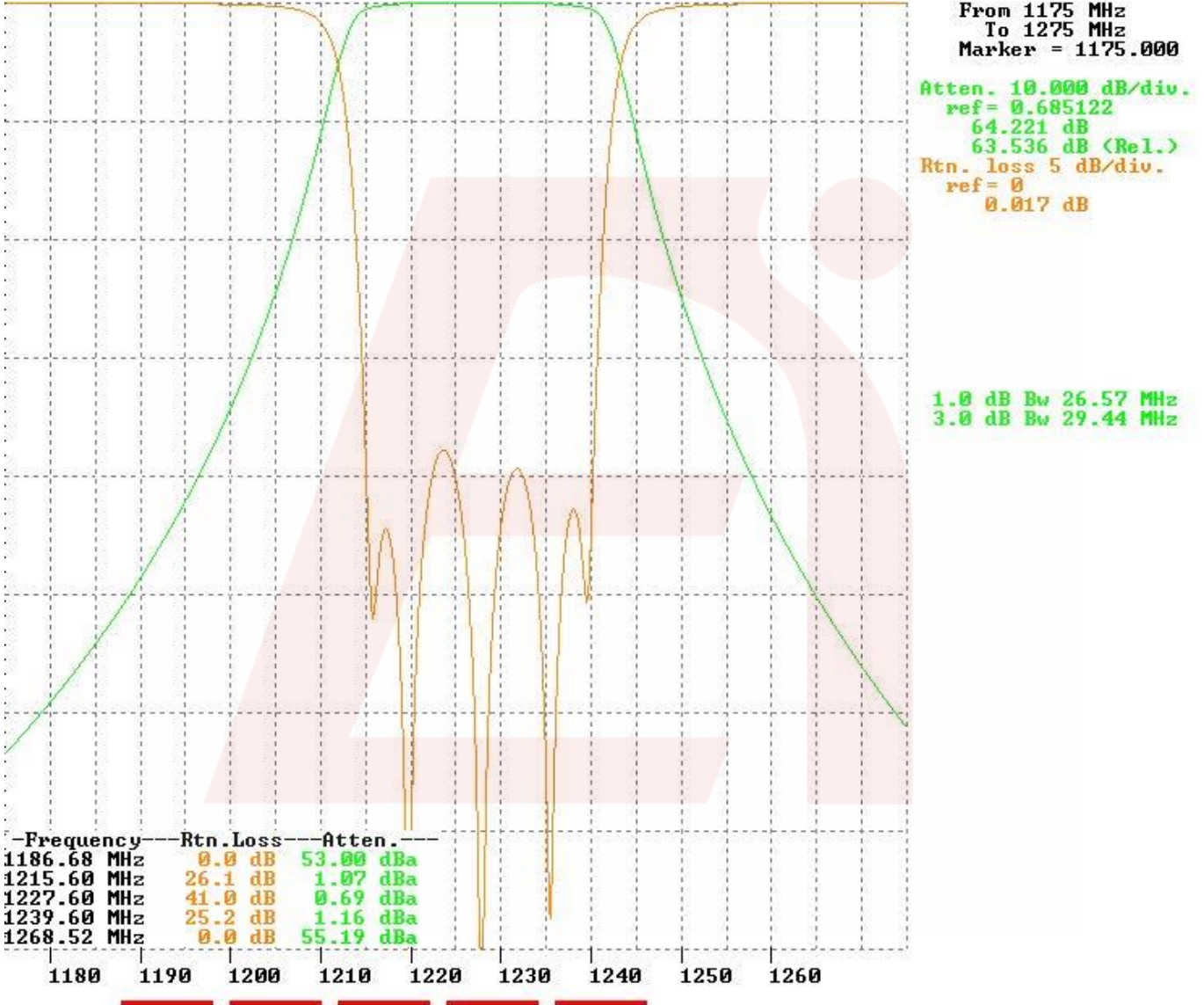
## Outline Drawing:



DS-B12117-02192024-Rev1



### Simulated Plot:



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