



### Electrical Specifications

**Center Frequency:** 1250 MHz  
**Bandwidth:** 500 MHz  
**Passband:** 1000-1500 MHz  
**Insertion Loss:** 2.0 dB Max.  
**Return Loss:** 15 dB Min.  
**Rejection:** 50 dB Min. @ 0-750 MHz  
**Rejection:** 50dB Min. @ 1760-6000 MHz

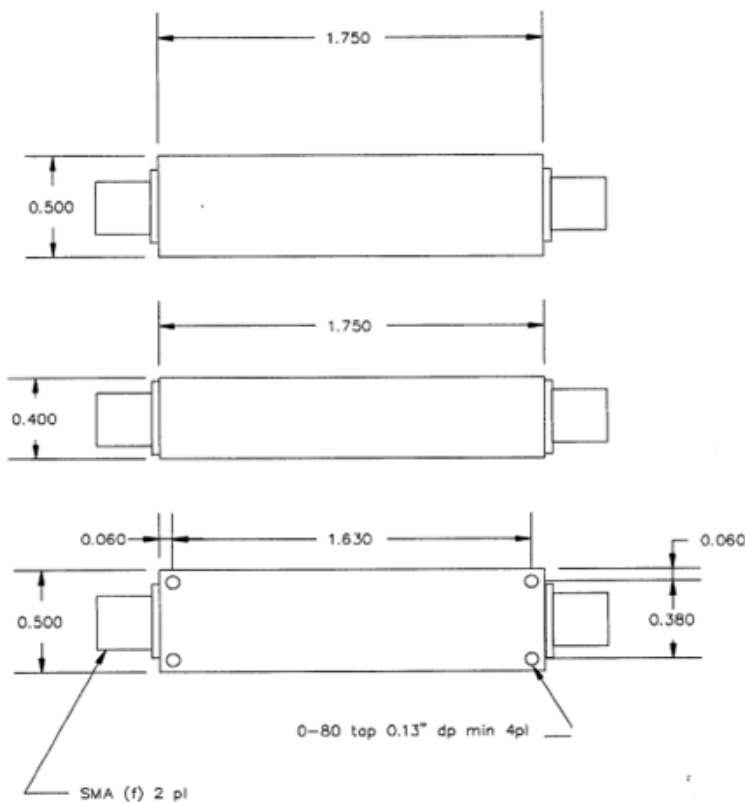
### Mechanical

**Mounting Method:** 0-80 Threaded Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 1.75" X 0.5" x 0.4"

### Environmental

**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -75°C to +90°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:



2 decimal places: +/-0.01 inches [+/- 0.3mm]  
3 decimal places: +/- 0.005 inches [+/- 0.13mm]  
Angles: +/- 1 Deg.

Reference DCR: D052219-04A

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



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

# 1250 MHz LC Bandpass Filter

**Part Number: AE1250B9971**



## Response Plot:

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CH1 S<sub>11</sub> log MAG 5 dB/ REF 0 dB 5: -.0844 dB  
CH2 S<sub>21</sub> log MAG 10 dB/ REF 0 dB 5: -52.494 dB

