



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1791 MHz Cavity Bandpass Filter

Part Number: AE1791B10561



Electrical Specifications

Center Frequency: 1791.748 MHz
Bandwidth: 16 MHz
Passband : 1783.748 MHz to 1799.748 MHz
Return loss: ≥ 15 dB
Insertion loss: ≤ 2 dB
Impedance: 50 Ohms
Rejection 1: 6dB Min.@1766.748MHz
Rejection 2: 6dB Min.@ 1816.748 MHz
Rejection 3 : 30dB Min.@1861.748 MHz &
Rejection 4: 30dB Min.@ 1721.748 MHz
Rejection 5: 60dB Min. @2280 MHz
Rejection 6: 60dB Min. @ 1320 MHz
Power Handling: +10 dBm

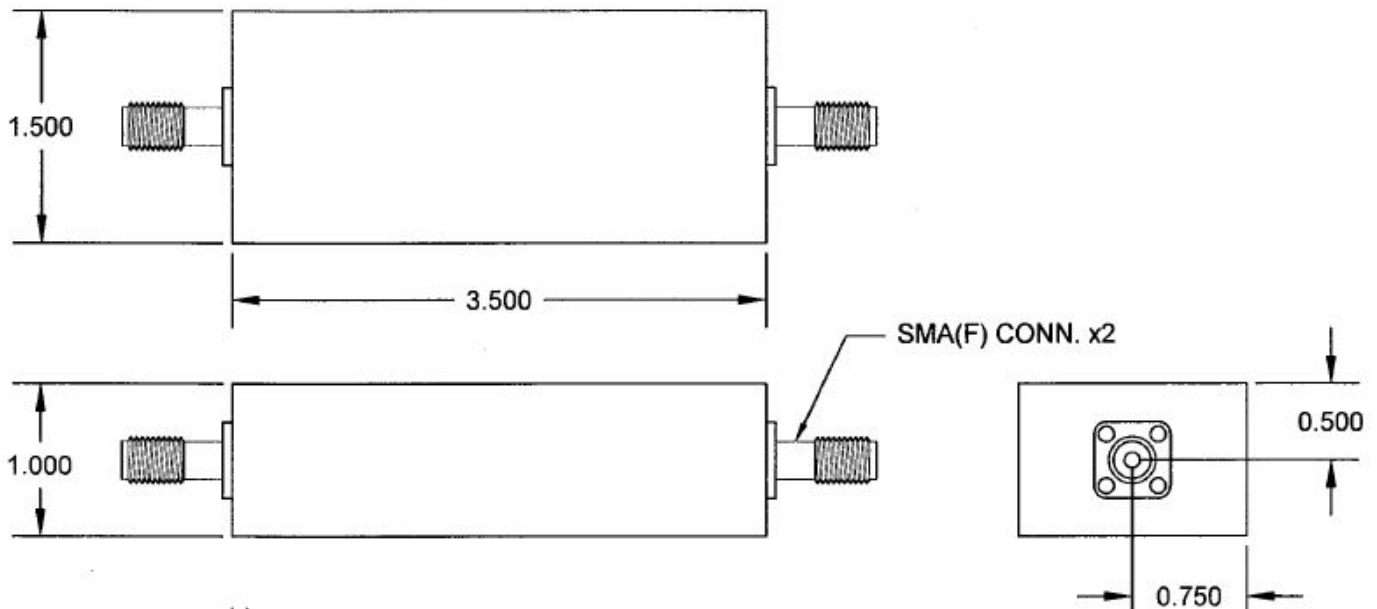
Mechanical

Connector Type: SMA(Female)
Dimensions: 3.5" X 1.5" x 1" in.

Environmental

Operating Temperature: -25°C to +70°C
Storage Temperature: -40°C to +90°C
Shock: 20 G. 11ms
Vibration: 20 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.

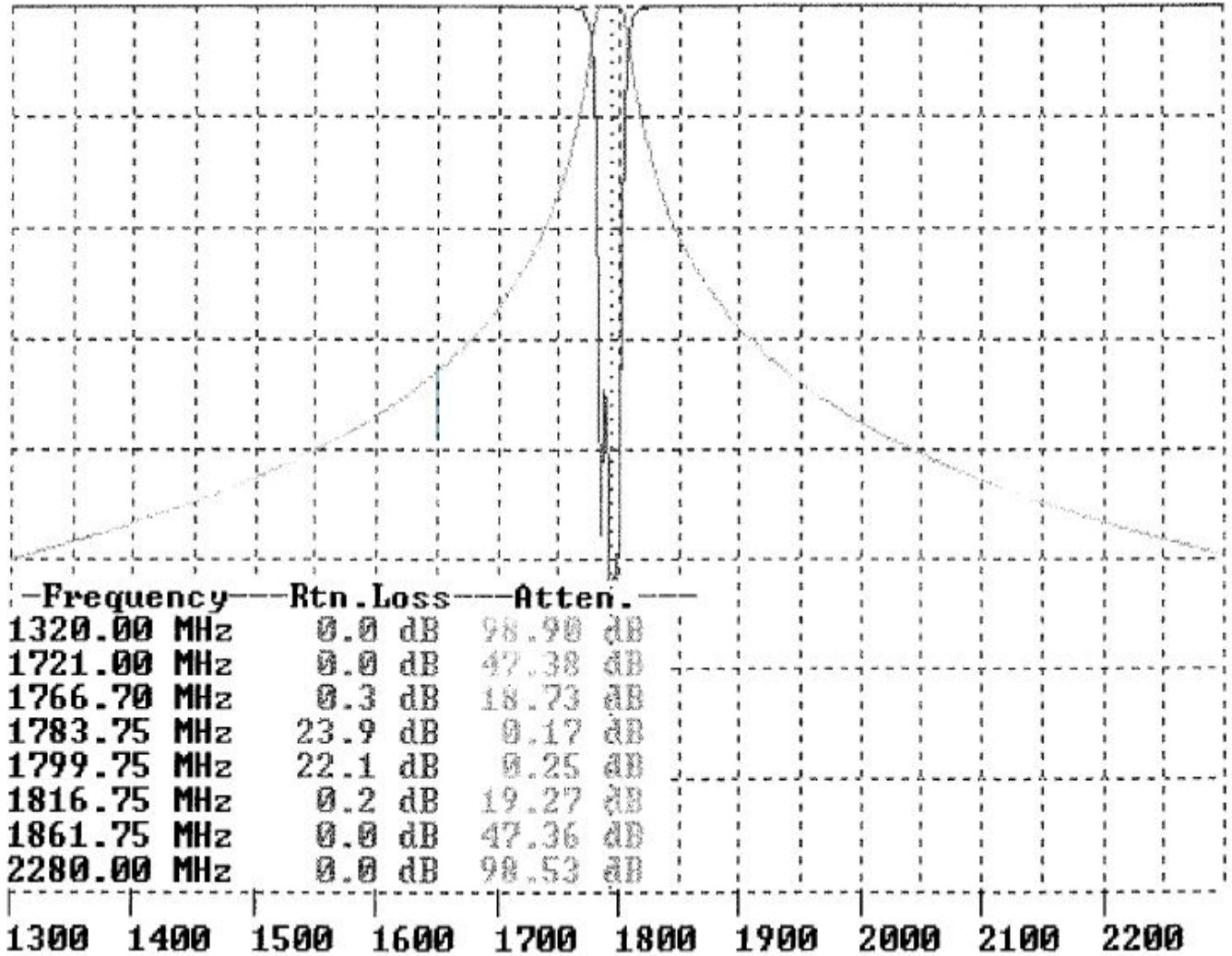
When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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Simulation Plot:



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