



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

DC-1730 MHz / 1770-5300 MHz Cavity Notch Filter

Part Number: AE1750N2247



Electrical Specifications

Notch Center Frequency: 1750 MHz
Notch Frequency range: 1740-1760 MHz
Notch Rejection: $\geq 40\text{dB}$
Passband low side of Notch: DC-1730 MHz
Passband High side of Notch: 1770-5300 MHz
Insertion loss in Passband: $\leq 1.5\text{ dB}$
Return Loss in Passband: $\geq 14\text{ dB}$
Input/output Impedance: 50 Ohms
Power Handling: $\leq 25\text{ Watts}$

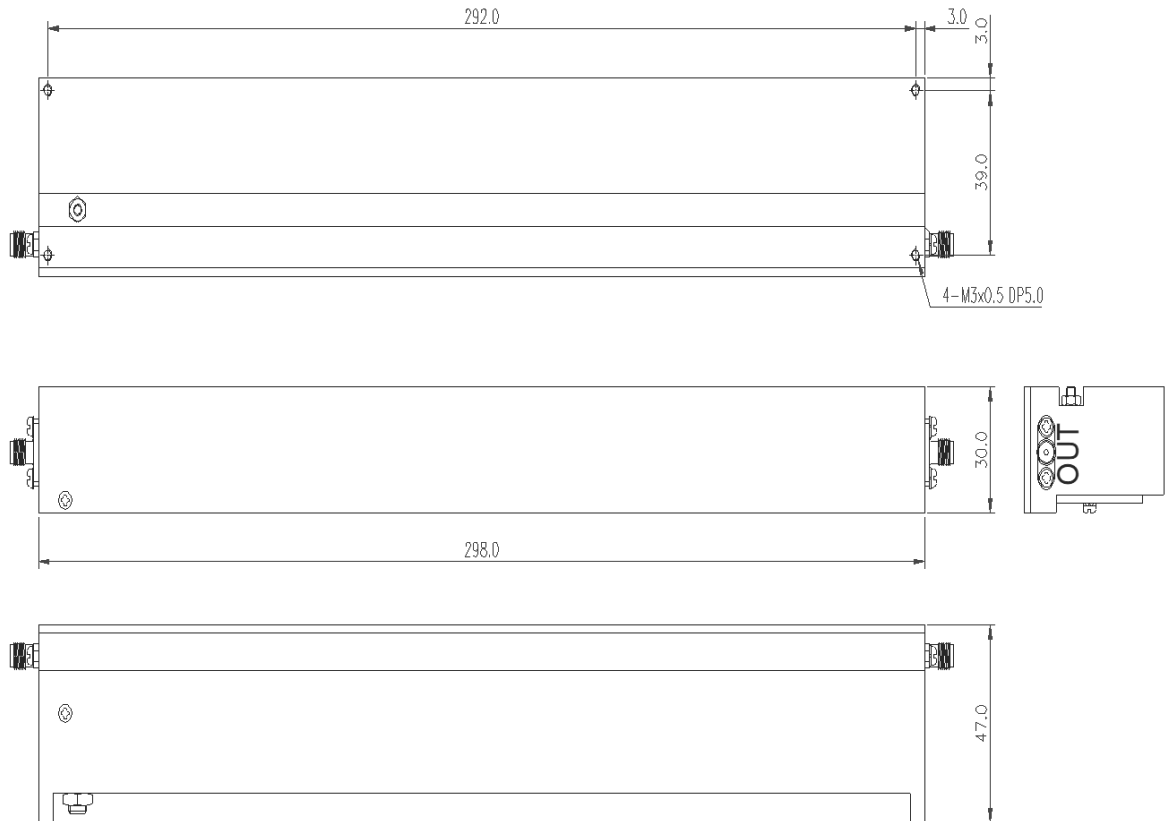
Mechanical

Mounting Method: Threaded Holes
Connector Type: SMA(F)
Dimensions: 298 X 30 X 47 mm.
Dimensions: 11.73 X 1.18 X 1.85 in.

Environmental

Operating Temperature: -20°C to $+70^{\circ}\text{C}$
Storage Temperature: -40°C to $+85^{\circ}\text{C}$
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.

70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 321-3941

Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com



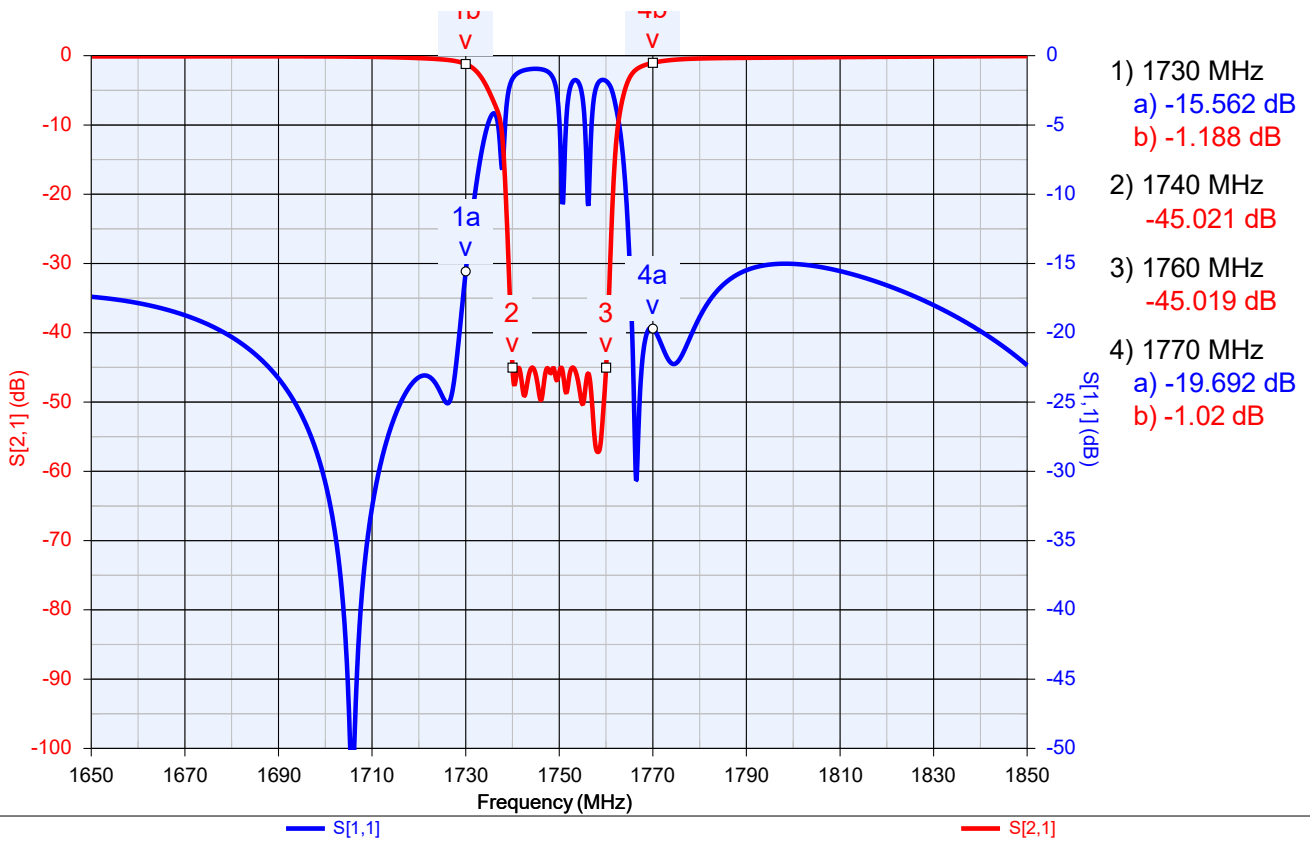
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Simulation Plot:



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