



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1742.5 MHz Cavity Band Pass Filter

Part Number: AE1742B11703



Electrical Specifications

Center Frequency (Fc): 1742.5 MHz
3dB Bandwidth (BW): 5 MHz
Passband Frequency (PB): 1740-1745MHz
Insertion Loss @ Fc: 3.5 dB Max
Return Loss in BW : 14 dB Min.
Rejection1: 30 dB Min. @ 1739 MHz
Rejection2: 30 dB Min. @ 1746 MHz
Power Handling: 10 W Max.
Input / output Impedance: 50 Ohms

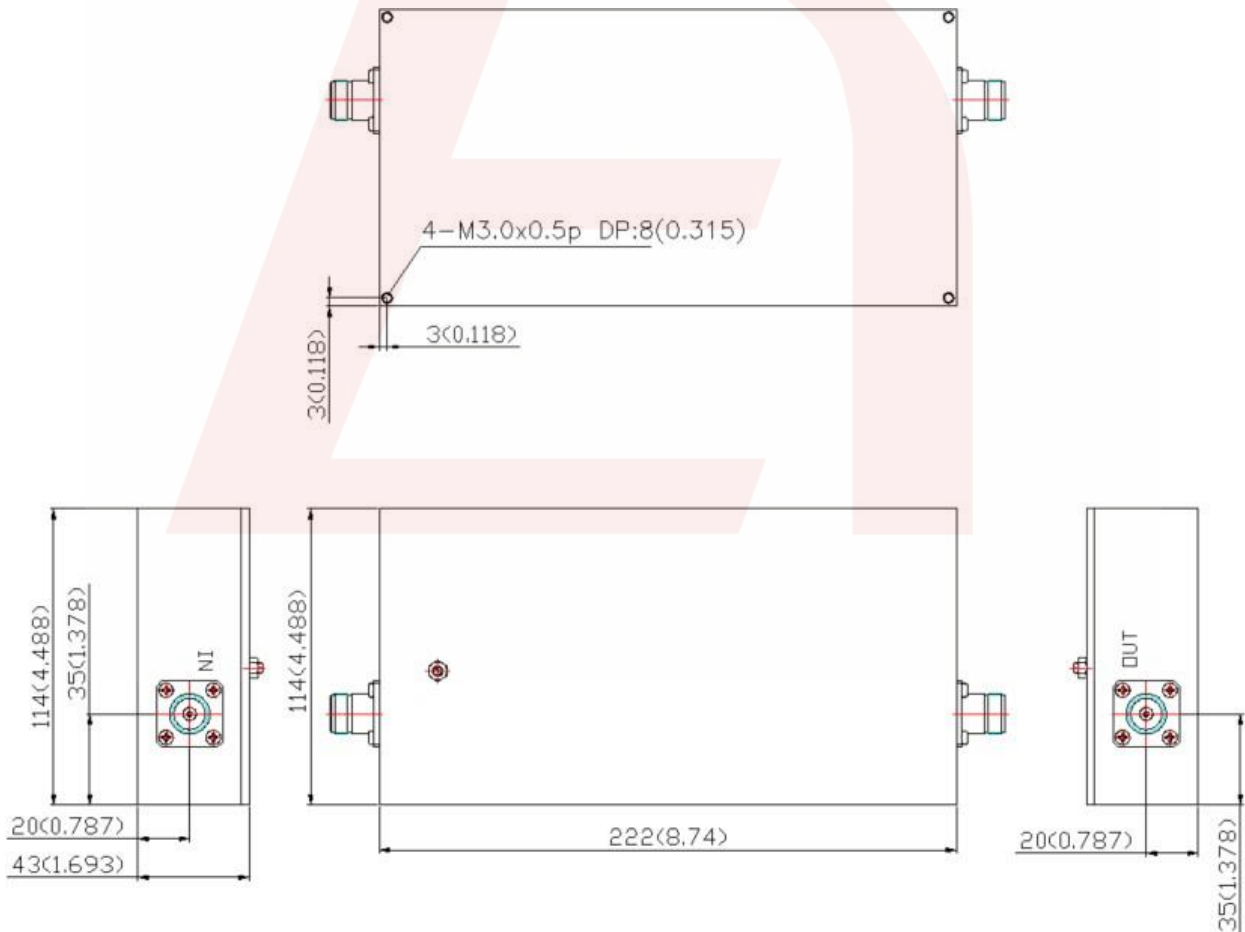
Mechanical

Mounting Method: M3 Threaded Holes
Connector Type: N-Type(F)
Dimensions: 8.74 x 4.48 x 1.69 in.
Dimensions : 222 x 114 x 43 mm.

Environmental

Operating Temperature: -45°C to +75°C
Storage Temperature: -55°C to +85 °C
Shock: 20G. 11ms
Vibration: 20G 0.5 to 200 Hz

Outline Drawing:



Tolerance: +/-0.01 inches [+/- 0.3mm]

Angles: +/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

DS-B11703-11042019-Rev1

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



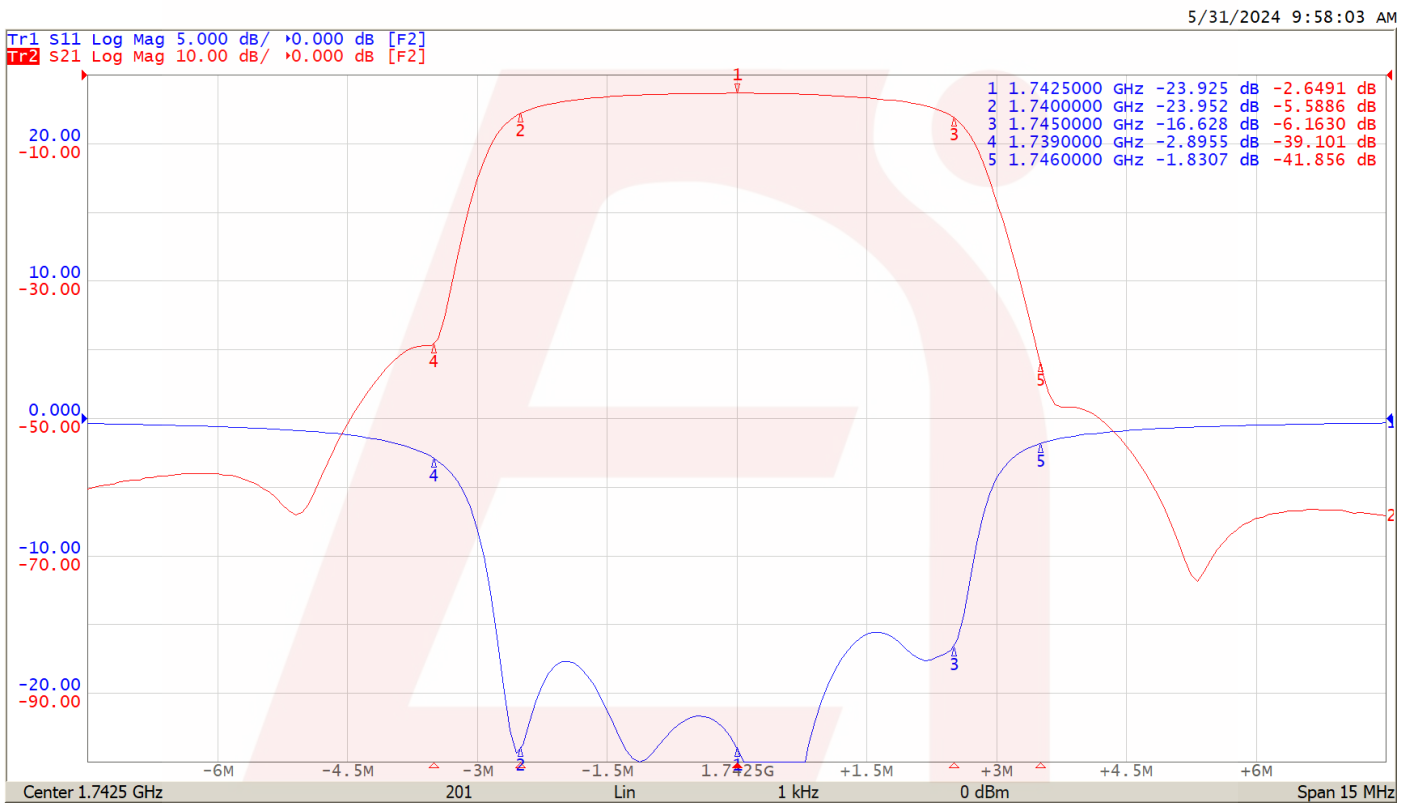
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Response Plot:



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