



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

DC-1930 MHz / 1970-5700 MHz Cavity Notch Filter

Part Number: AE1950N2248



Electrical Specifications

Notch Center Frequency: 1950 MHz
Notch Frequency range: 1940-1960MHz
Notch Rejection: 40dB Min
Passband low side of Notch: DC-1930 MHz
Passband High side of Notch: 1970-5700 MHz
Insertion loss in Passband: 2.0 dB Max
Return Loss in Passband: 14 dB Min
Input/output Impedance: 50 Ohms
Power Handling: 25 W Max

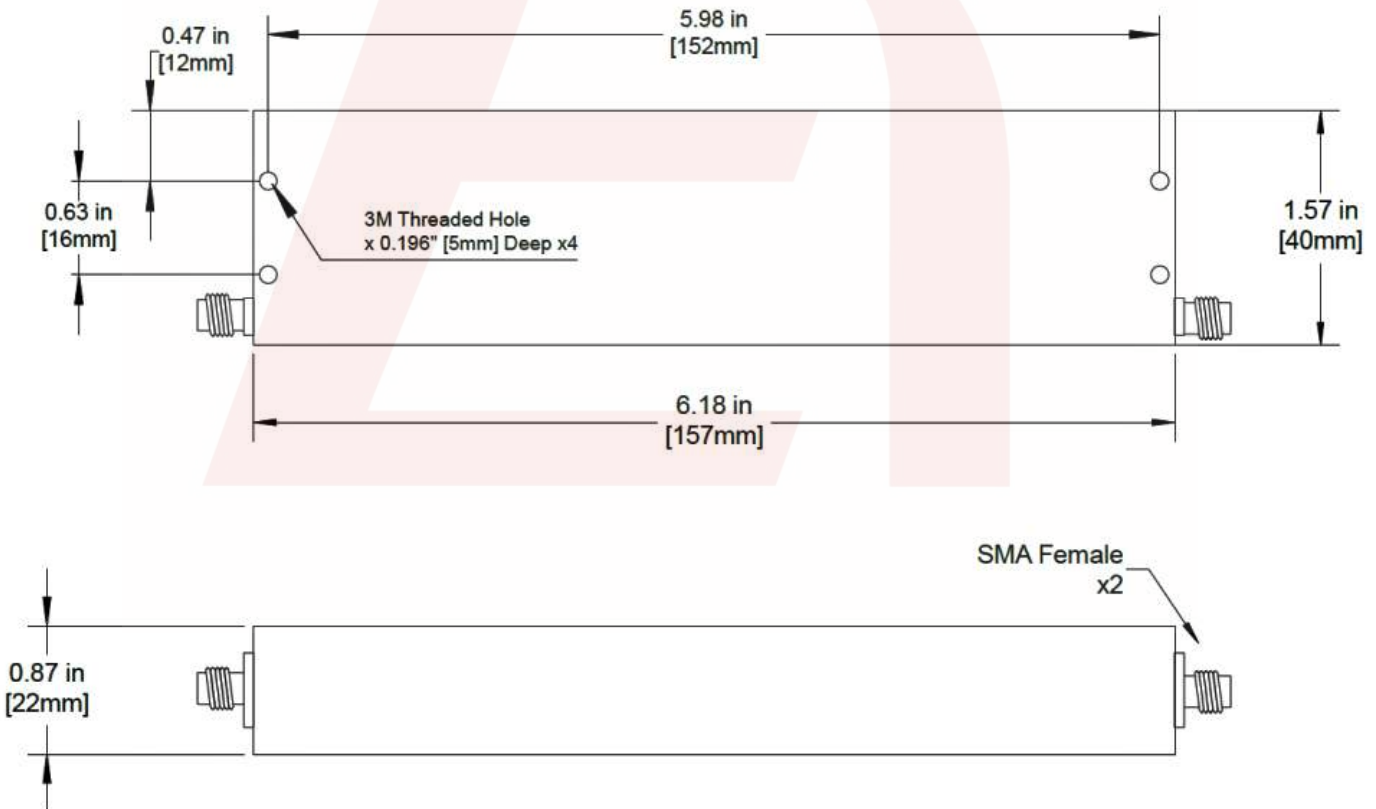
Mechanical

Mounting Method: Threaded Holes
Connector Type: SMA(F)
Dimensions: 6.18 x 1.57 x 0.87 in.
Dimensions: 157 x 40 x 22 mm

Environmental

Operating Temperature: -20°C to +70°C
Storage Temperature: -40°C to +85°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.

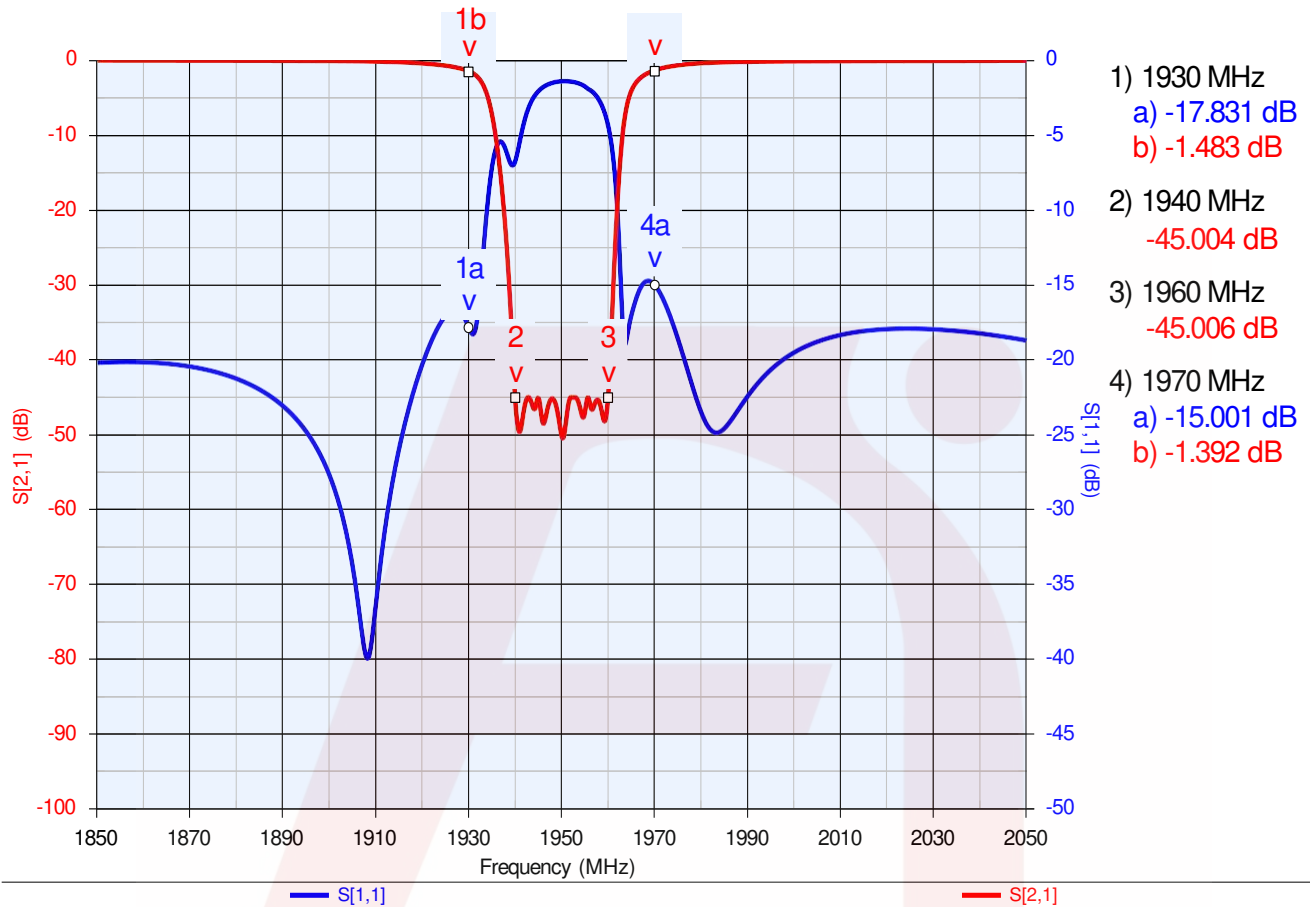
DS-N2248-02112020-Rev1

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Simulation Plot:



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