ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

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

Part Number: AE1950N2248

ISO 9001 REGISTERED FIRM

Electrical Specifications

Notch Center Frequency: 1950 MHz
Notch Frequency range: 1940-1960MHz
Notch Rejection: ≥ 40dB
Passband low side of Notch: DC-1930 MHz
Passband High side of Notch: 1970-5700 MHz
Insertion loss in Passband: ≤ 1.5 dB
Return Loss in Passband: ≥ 14 dB
Input/output Impedance: 50 Ohms
Power Handling: ≤ 25 Watts

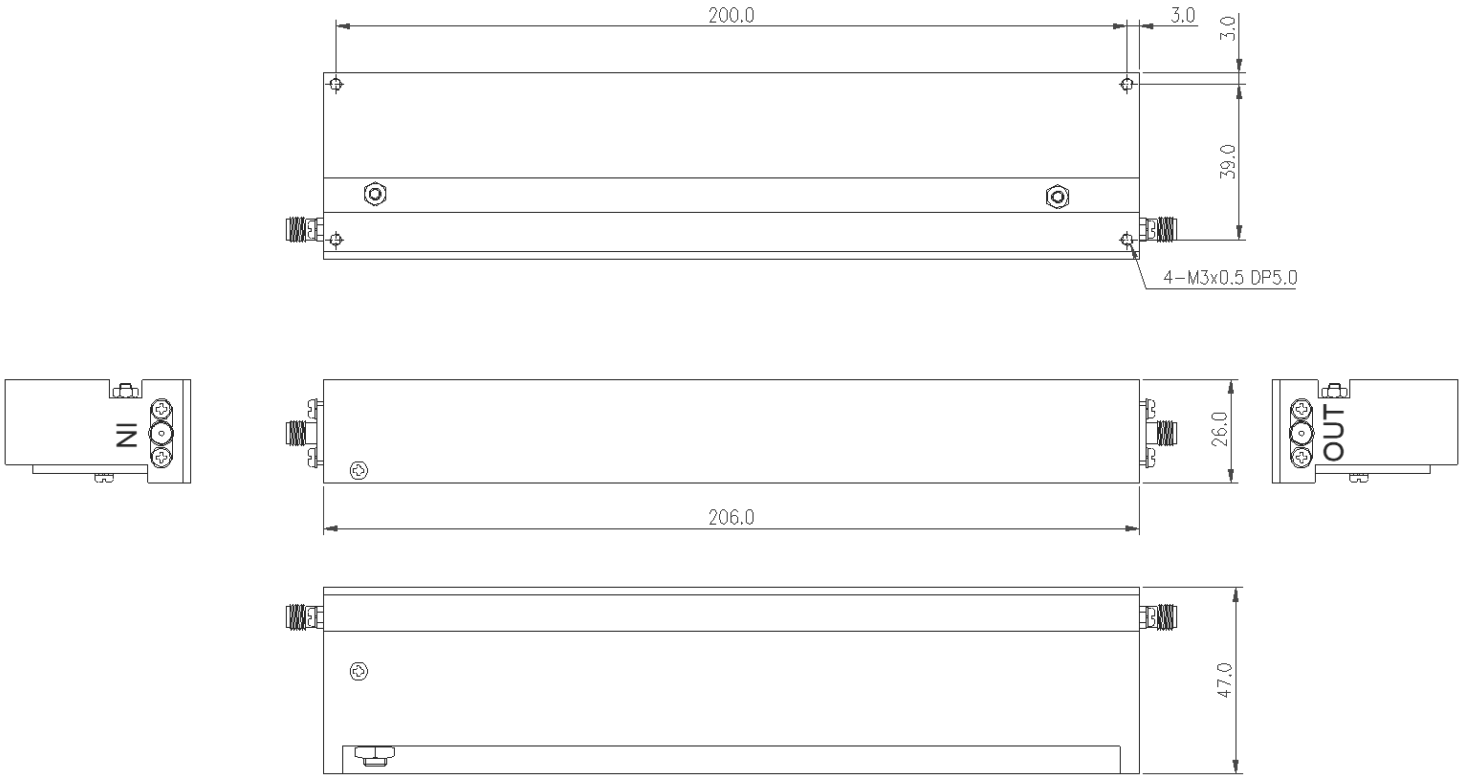
Mechanical

Mounting Method: Threaded Holes
Connector Type: SMA(F)
Dimensions: 206 X 26 X 47 mm.
Dimensions: 8.11 X 1.02 X 1.85 in.

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.*

70 Outwater Lane **Phone: (973) 772-4242** **Email: sales@anatechelectronics.com**
Garfield, NJ 07026 **Fax : (973) 321-3941** **Web: www.anatechelectronics.com**

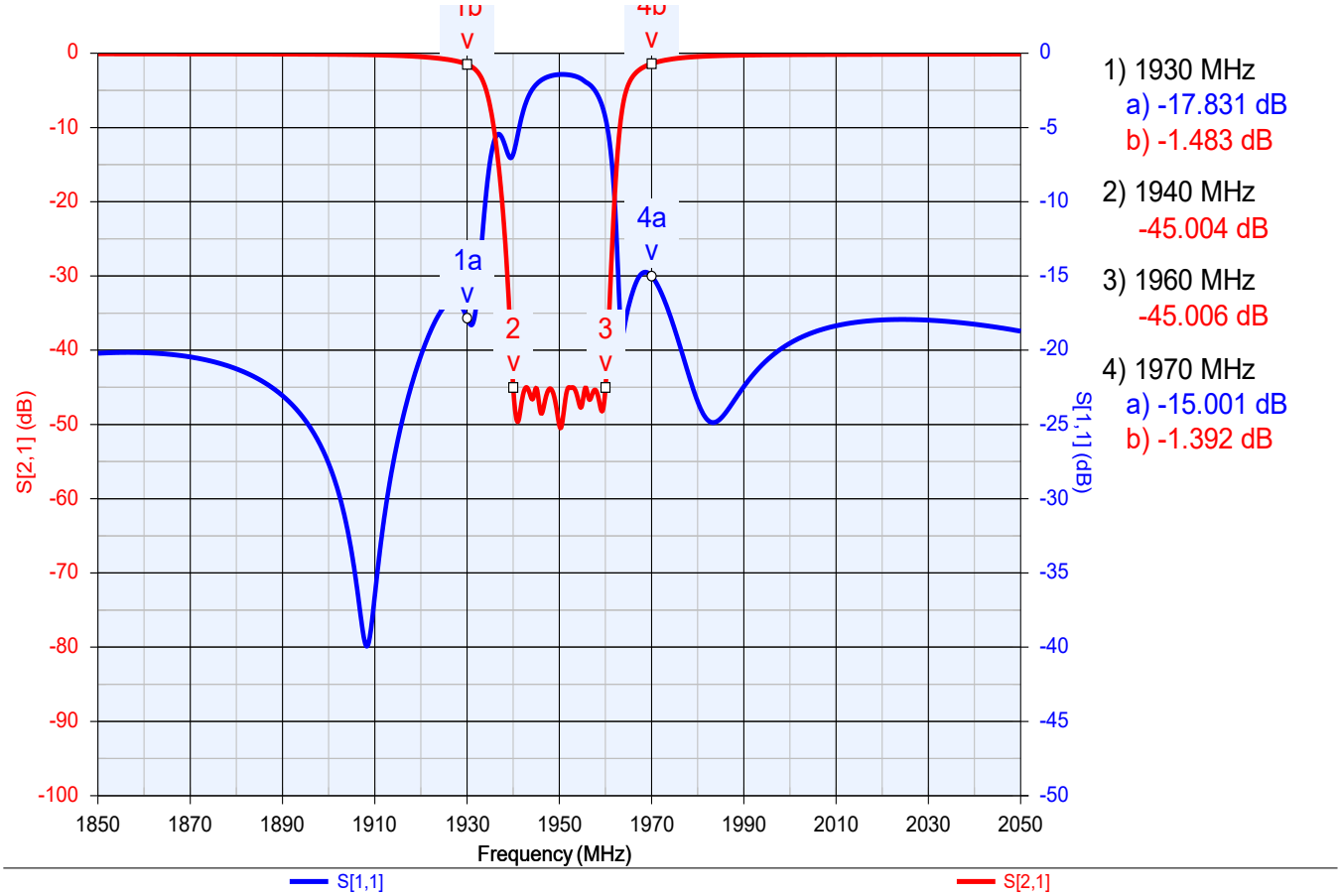
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Simulation Plot:



1) 1930 MHz
   a) -17.831 dB
   b) -1.483 dB
2) 1940 MHz
   -45.004 dB
3) 1960 MHz
   -45.006 dB
4) 1970 MHz
   a) -15.001 dB
   b) -1.392 dB

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

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