



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:** ≥ 40 dB
- 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

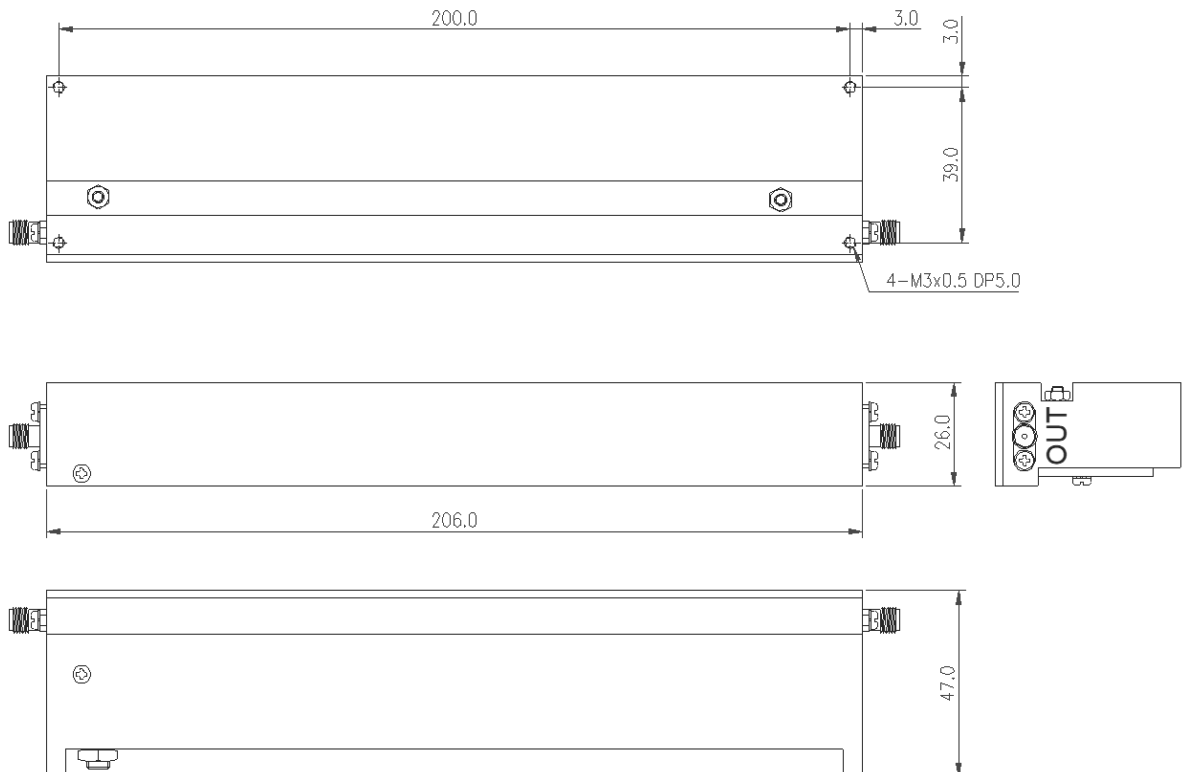
Mechanical

- 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 $+70^{\circ}\text{C}$
- 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.

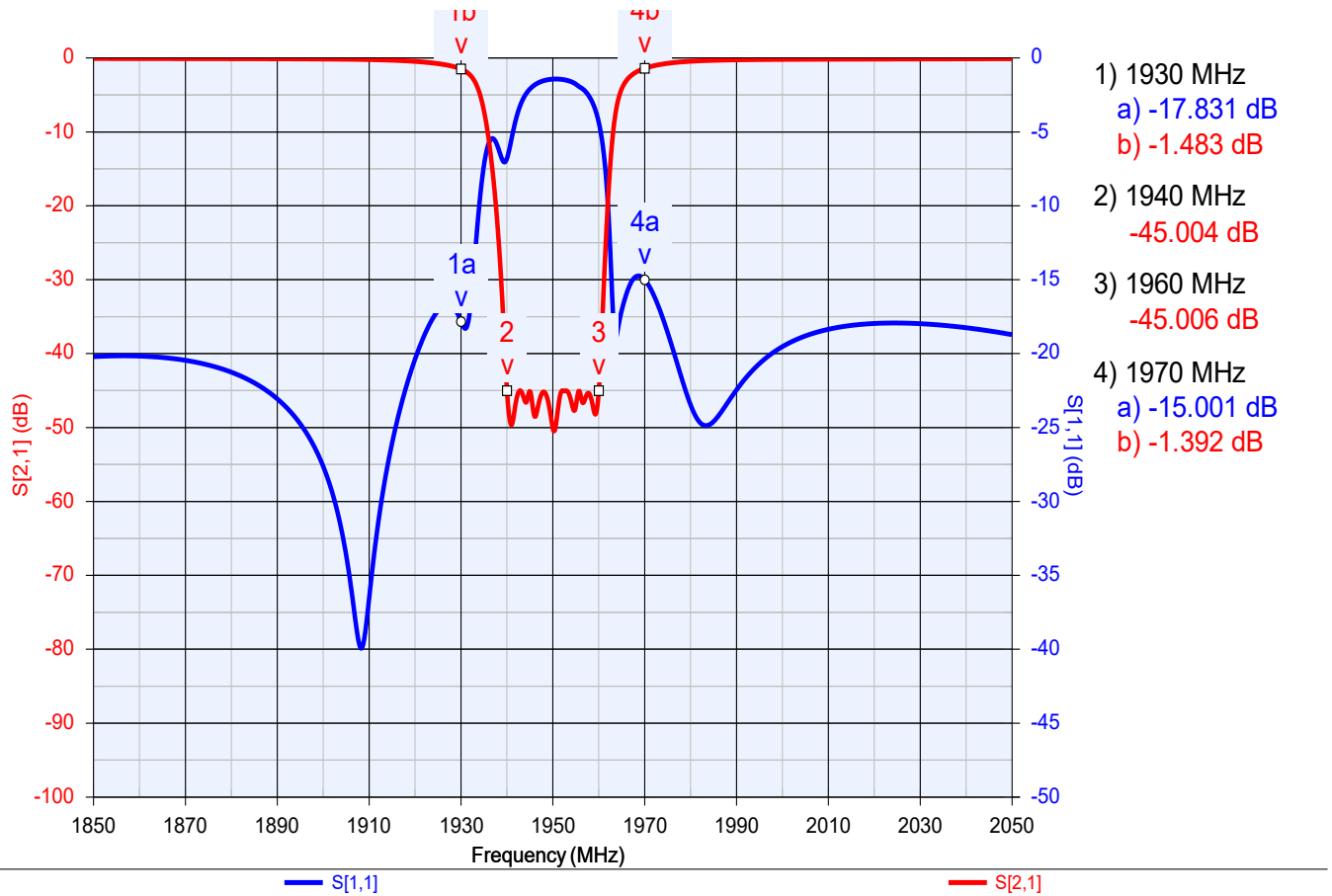
*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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Simulation Plot:



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