



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

31.1 GHz Cavity Bandpass Filter

Part Number: AB31000B1031



Electrical specifications

Center Frequency: 31 GHz
Bandwidth: 3.4 GHz
Input / Output Impedance: 50 Ohms
Passband: 29.4-32.8 GHz
Passband Insertion Loss: < 2.0 dB
Passband Ripple: < 0.2
Passband Return Loss: >17 dB
Rejection: 50 dB @ 22.05-24.6 GHz
Rejection 2: 40 dB @ 36.75-41 GHz
Power Handling: 1 W

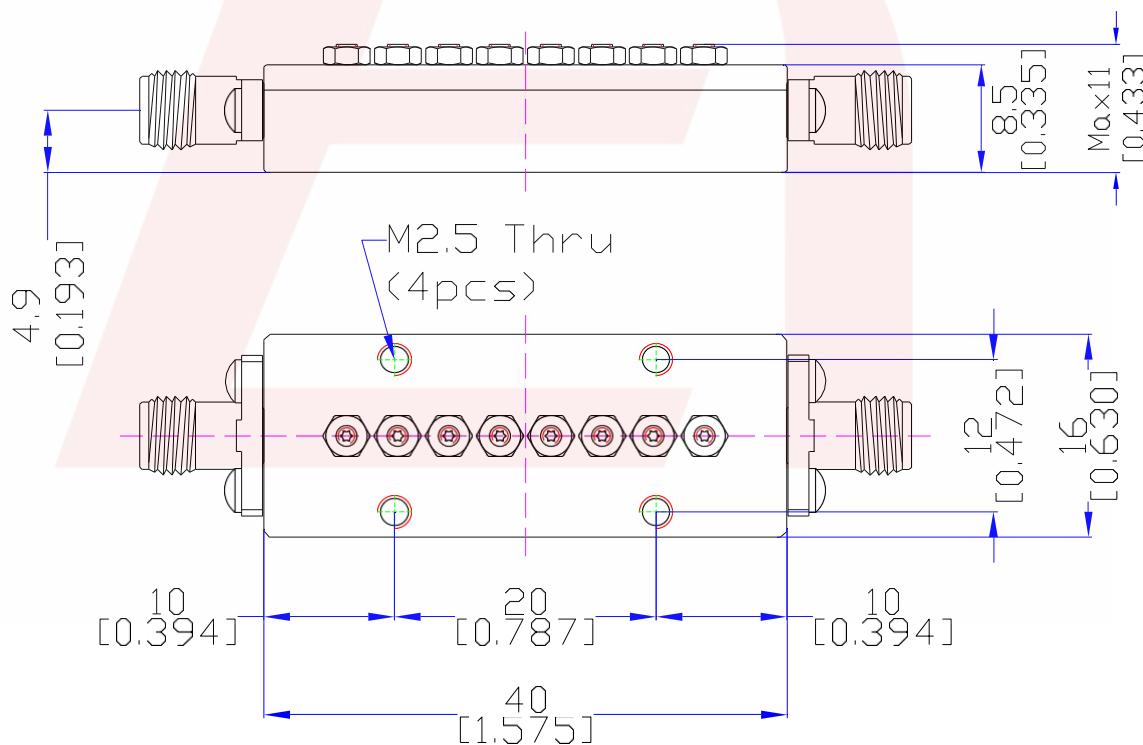
Mechanical

Mounting Method: Threaded Mounting Holes
Connector Type: 2.92 mm
Dimensions (in): 1.575 x 0.630 x 0.433 in
Dimensions (mm): 40 x 16 x 11 mm

Environmental

Operating Temperature: -45 to +85 deg.C
Storage Temperature: -55 to +95 deg.C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 200 MHz

Outline Drawing:



Rev a 07-28-2020



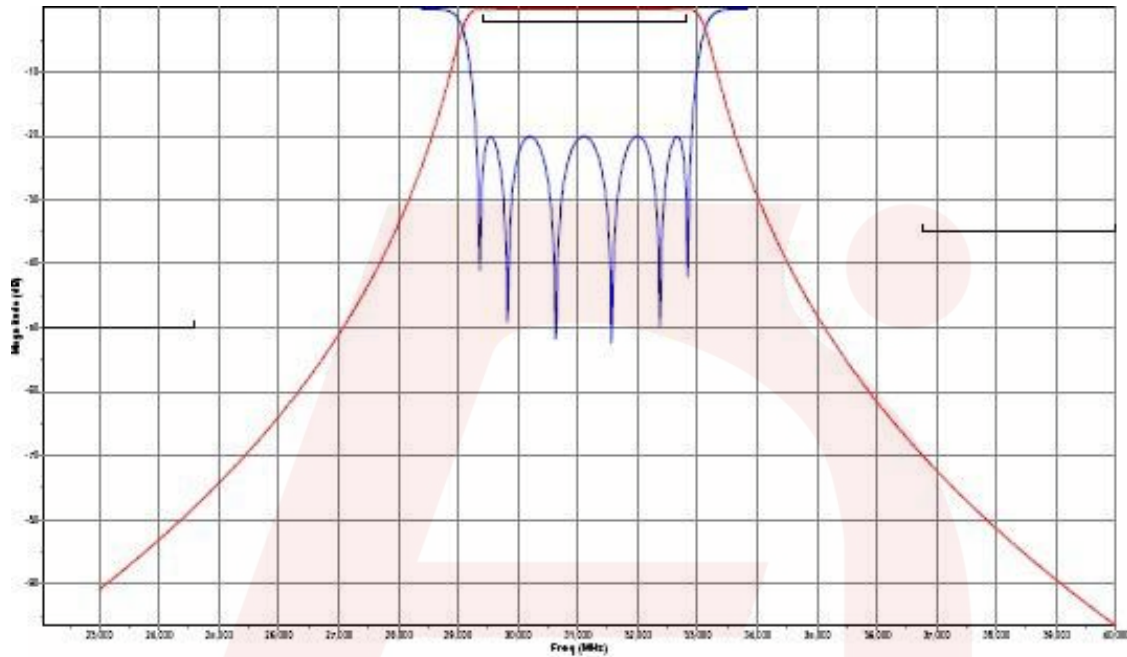
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Response Plot:



Overall performance