



1747.5 MHz Cavity Bandpass Filter

Part Number: AE1747B11459



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Electrical specifications

Center Frequency: 1747 MHz
Bandwidth: 1710 - 1785 MHz
Insertion Loss: 2.0 dB Max
Return Loss: 15 dB Min
Ripple: 0.8 dB Max
Rejection: 40 dB min @ DC - 1690 MHz
Rejection: 40 dB min @ 1805 - 4000 MHz
Impedance: 50 Ω
Power Handling: 50W

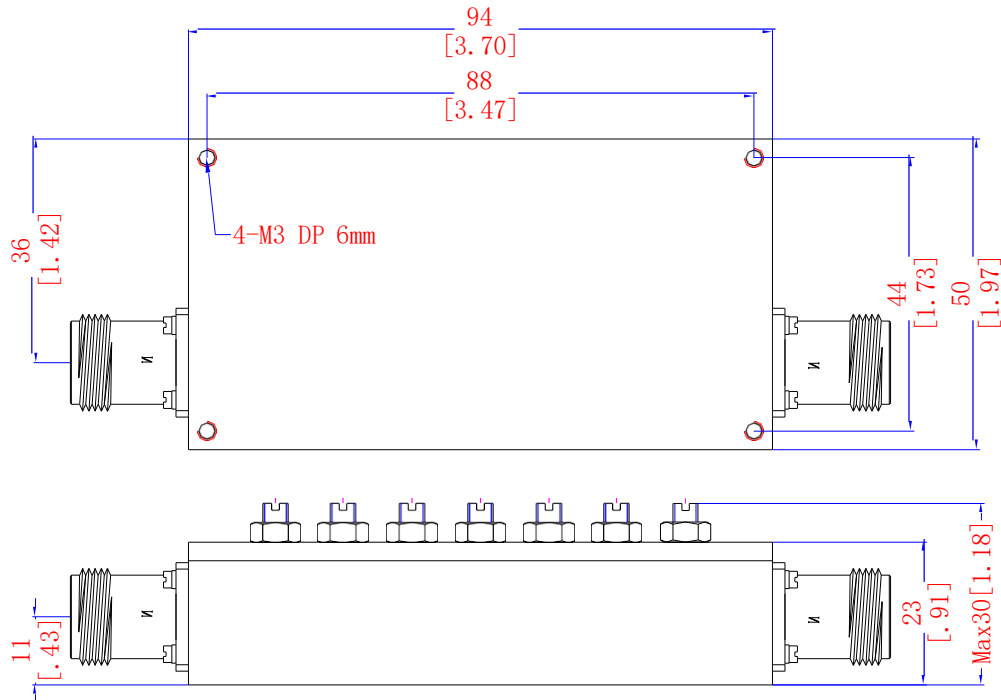
Mechanical

Mounting Method: Threaded Mounting Hole
Connector Type: N Type Female
Dimensions With Mounting: 3.70 x 1.97 x 1.18 in

Environmental

Operating Temperature: -10° C to +50° C
Storage Temperature: -55° C to +95° C
Shock: 20G. 11ms half sine wave, 3 axis
Vibration: 20 G. 5 to 200 Hz

Outline Drawing:

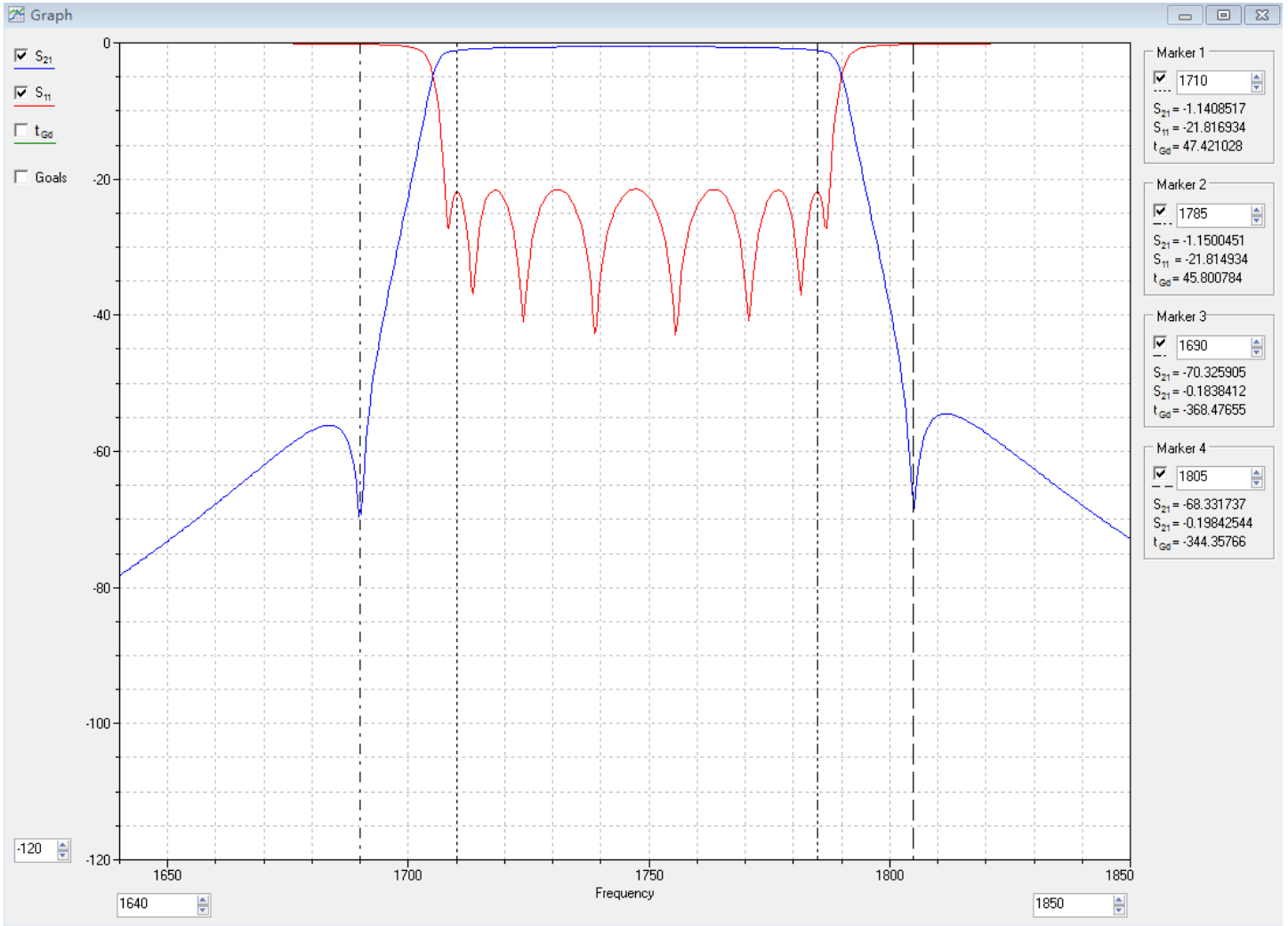


2 decimal places: +/-0.01 inches [+/- 0.3mm]
3 decimal places: +/- 0.005 inches [+/- 0.13mm]
Angles: +/- 1 Deg.

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



Simulation Plot:



Note: This is a simulation plot. Actual results may differ once the product is implemented.