



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

7 MHz LC Band Pass Filter

Part Number: AE7B11674



Electrical Specifications

Center Frequency(CF): 7 MHz

3dB Bandwidth: 0.5 MHz

Insertion Loss: 2.7 dB Max @ CF

Return Loss: 14.0 dB Min @ $CF \pm 0.18\text{MHz}$

Rejection1: 44dB Min. @ 6 MHz

Rejection2: 36dB Min. @ 8 MHz

Power Handling: 1 W CW

Mechanical

Mounting Method: 4-40 Threaded Holes

Connector Type: SMA (F)

Dimensions: 2.38 x 1.0 x 0.75 in

Environmental

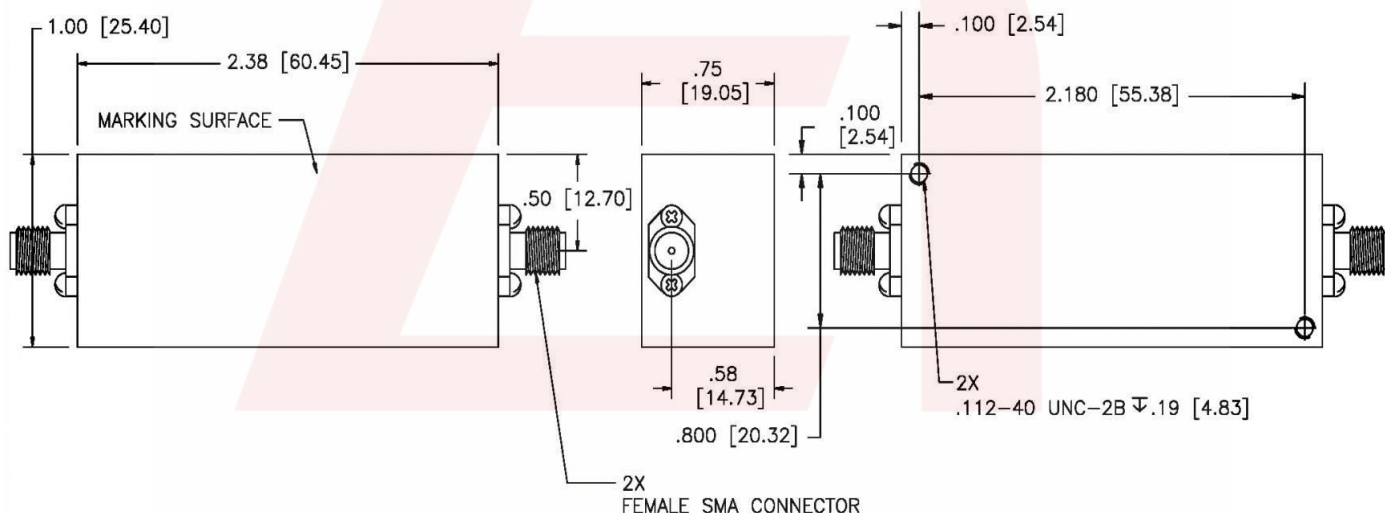
Operating Temperature: -40°C to +85°C

Storage Temperature: -55°C to +95°C

Shock: 10 G.11ms

Vibration: 10 G. 5 to 2000Hz

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-B11674-06272024-Rev0



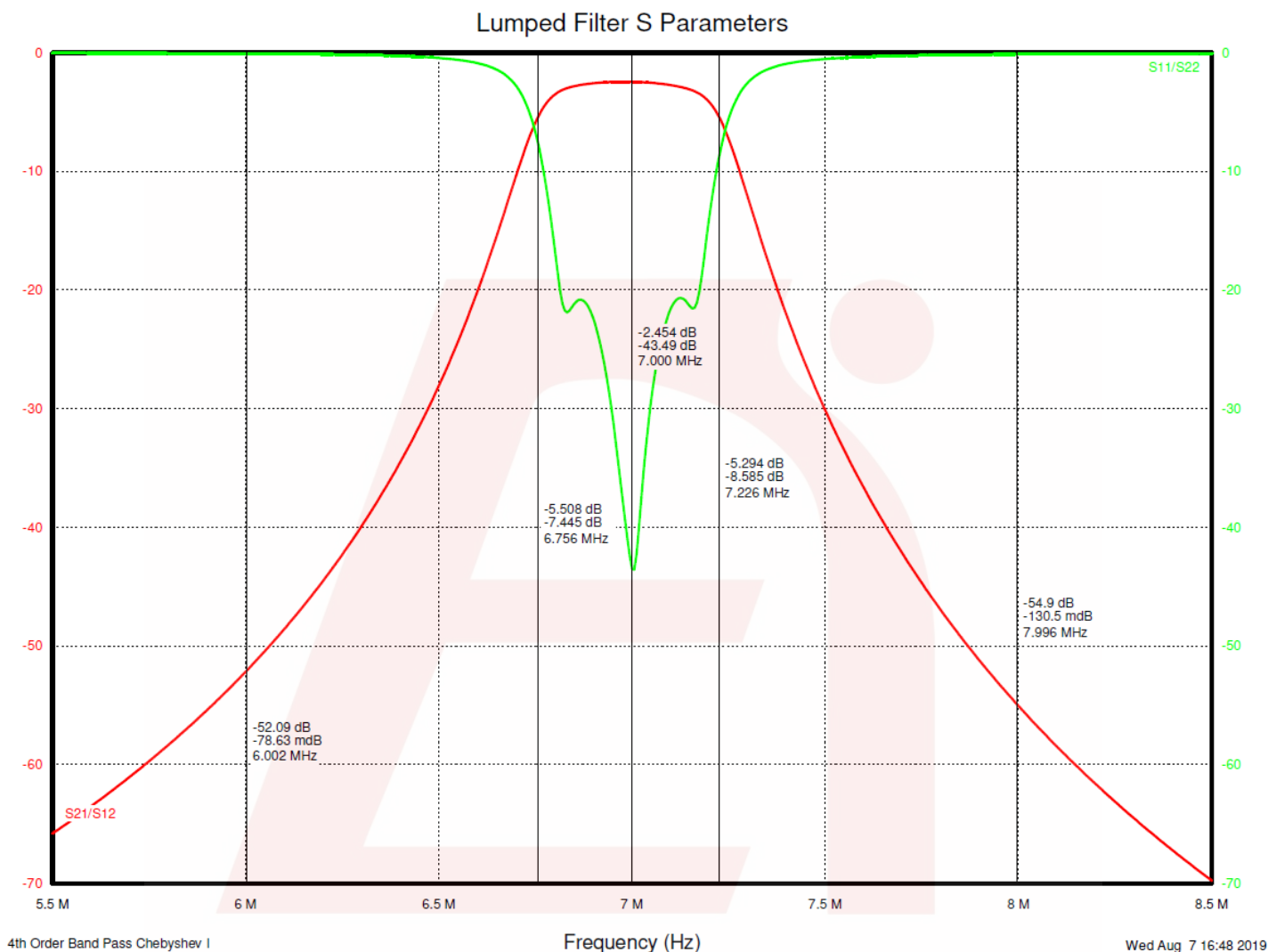
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

7 MHz LC Band Pass Filter

Part Number: AE7B11674



Simulation Plot:



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

DS-B11674-06272024-Rev0