



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 Watts

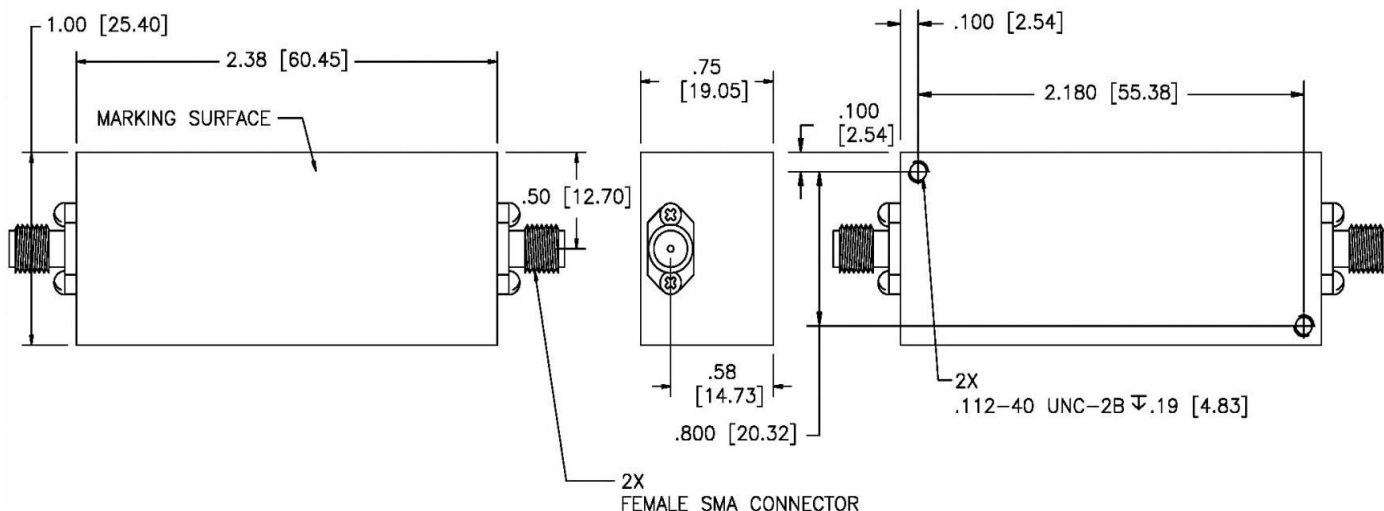
Mechanical

Mounting Method: 4-40 Threaded Mounting
Connector Type: SMA (F)
Dimensions: 2.38 x 1.0 x 0.75 Inches

Environmental

Operating Temperature: -40° C to +85° C
Storage Temperature: -55° C to +95° C
Shock: 10 G.11ms
Vibration: 10 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.

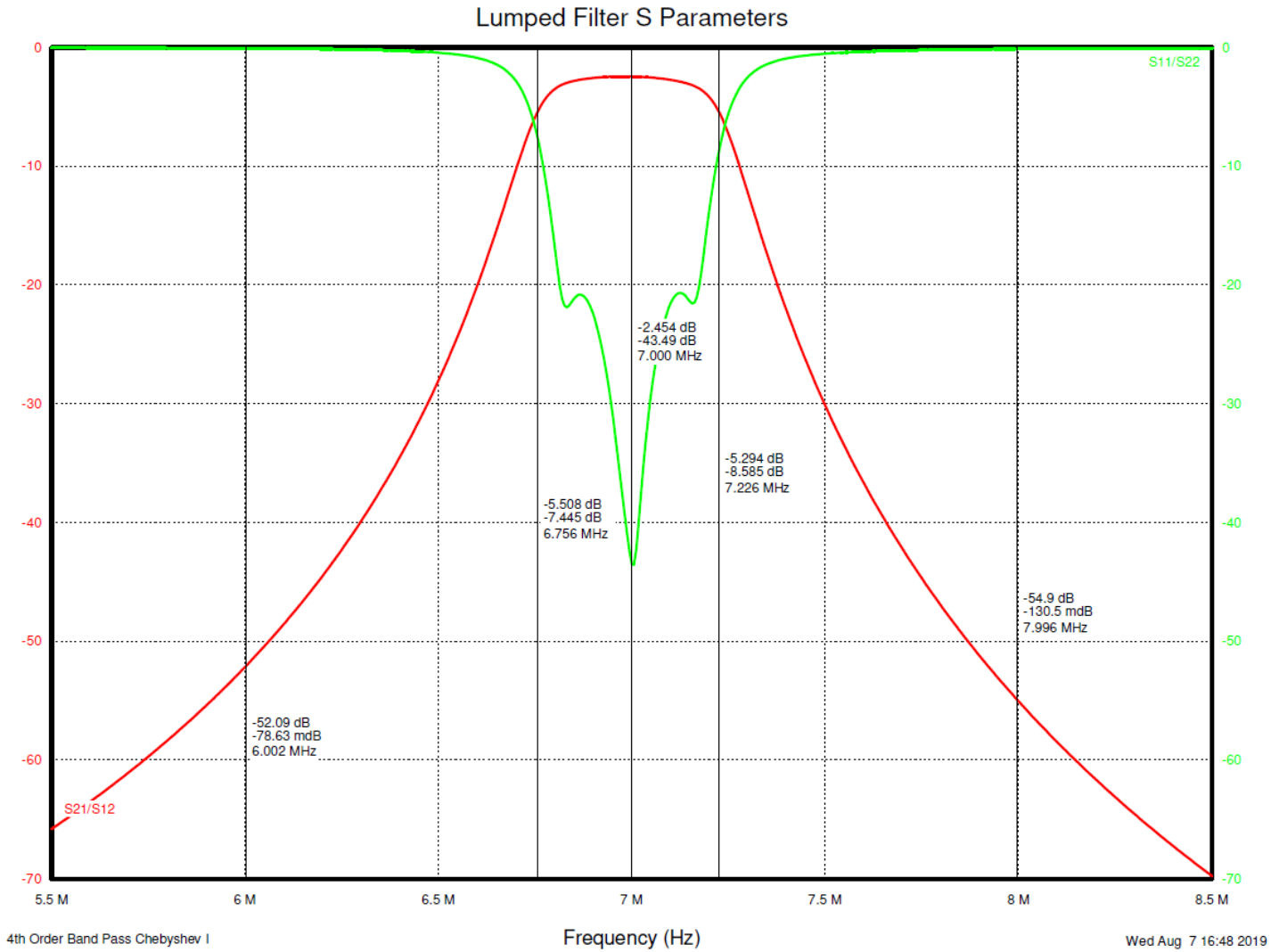


7 MHz LC Band Pass Filter

Part Number: **AE7B11674**



Simulation Plot:



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