



30 MHz LC High Pass Filter



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Part Number: AE30H9921

Electrical Specifications

Cut Off Frequency: 30 MHz
Pass Band Frequency: 30-750 MHz
Insertion Loss @ 30-750 MHz: ≤ 1.0 dB
Rejection: ≥ 40 dB @ 25 MHz
Impedance: 50 Ohms In/Out
Power Handling: 0.1 W CW

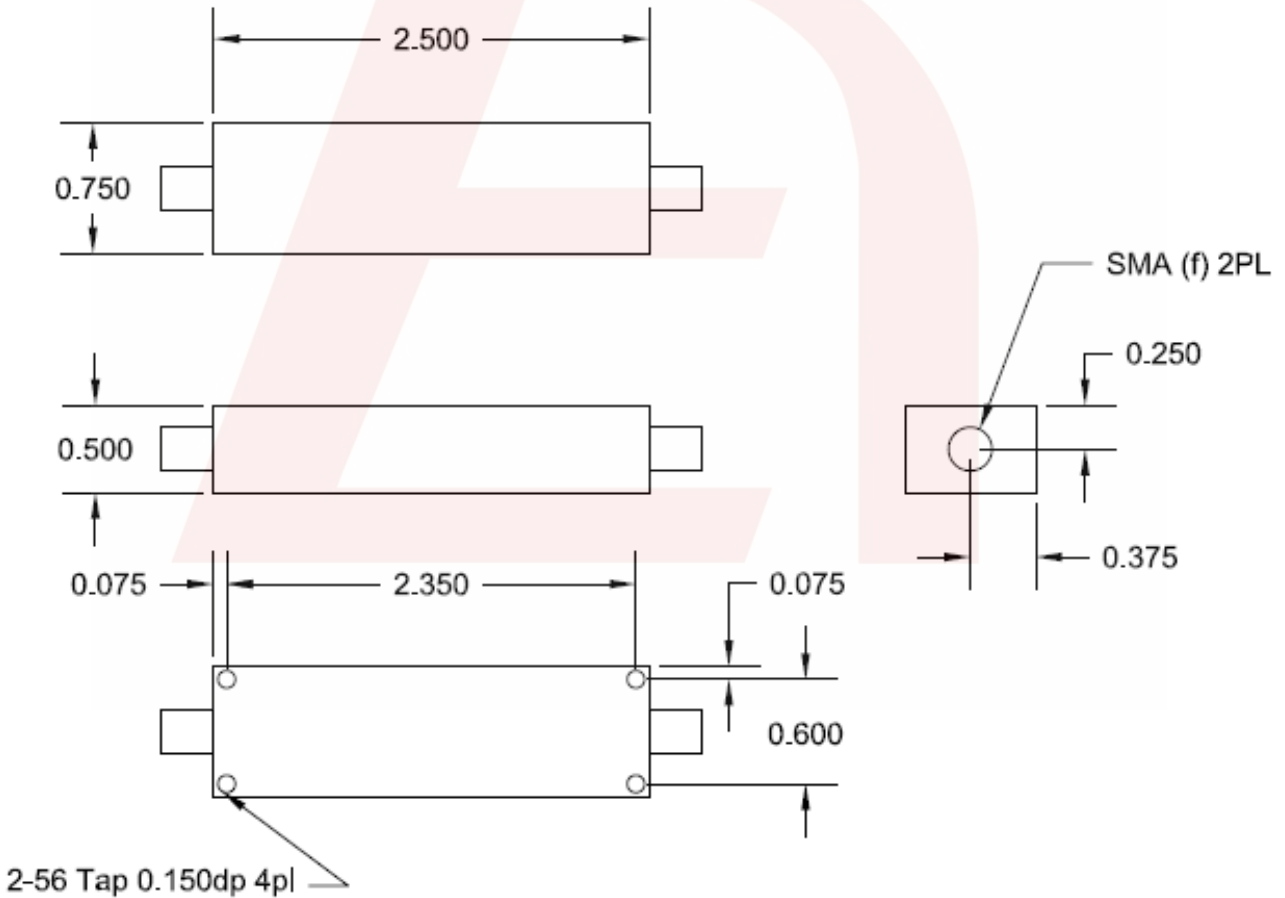
Mechanical

Mounting Method: Threaded Holes
Connector Type: SMA (F)
Dimensions: 2.5 x 0.75 x 0.5 in

Environmental

Operating Temperature: -30°C to $+70^{\circ}\text{C}$
Storage Temperature: -45°C to $+85^{\circ}\text{C}$
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 2000Hz

Outline Drawing:



Tolerance: ± 0.01 inches [± 0.3 mm]
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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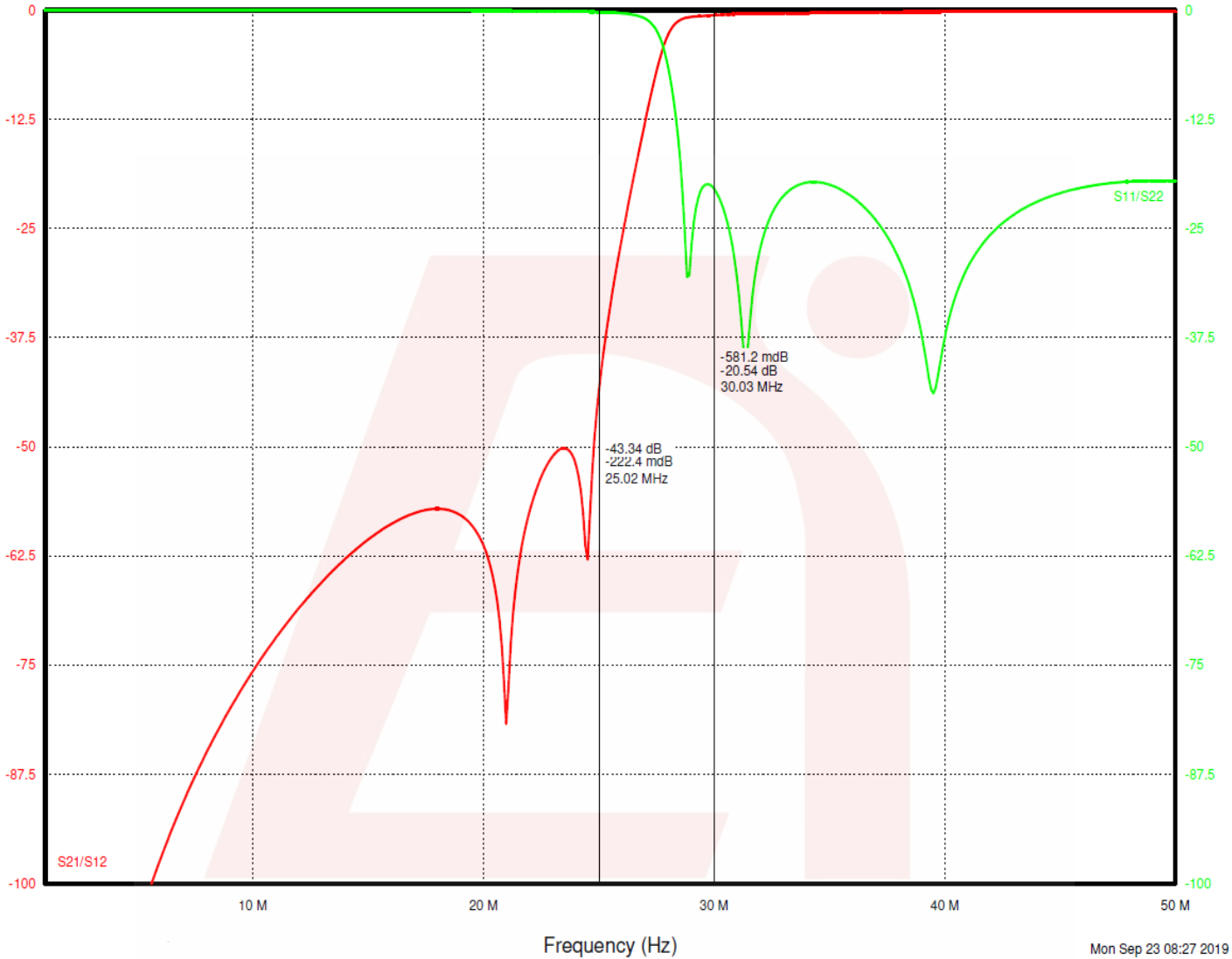


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Simulation Plot:

Lumped Filter S Parameters



Mon Sep 23 08:27 2019

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