



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

20 MHz LC Bandpass Filter

Part Number: AE20B9600



Electrical specifications

Center Frequency(CF): 20 MHz

Bandwidth: 2 MHz

Passband: 19 - 21 MHz

Insertion Loss1: 2 dB Max @ CF

Insertion Loss2: 3dB $\pm$ 0.5dB Max @ 18 MHz

Insertion Loss3: 3dB $\pm$ 0.5dB Max @ 22 MHz

Return Loss: 15 dB Min

Rejection1: 50 $\pm$ 2dB Min @ 15 MHz

Rejection2: 50 $\pm$ 2dB Min @ 26.4 MHz

Mechanical

Connector Type: BNC (M / F)

Dimensions: 2.5 x 1.125 x 0.75 in

Environmental

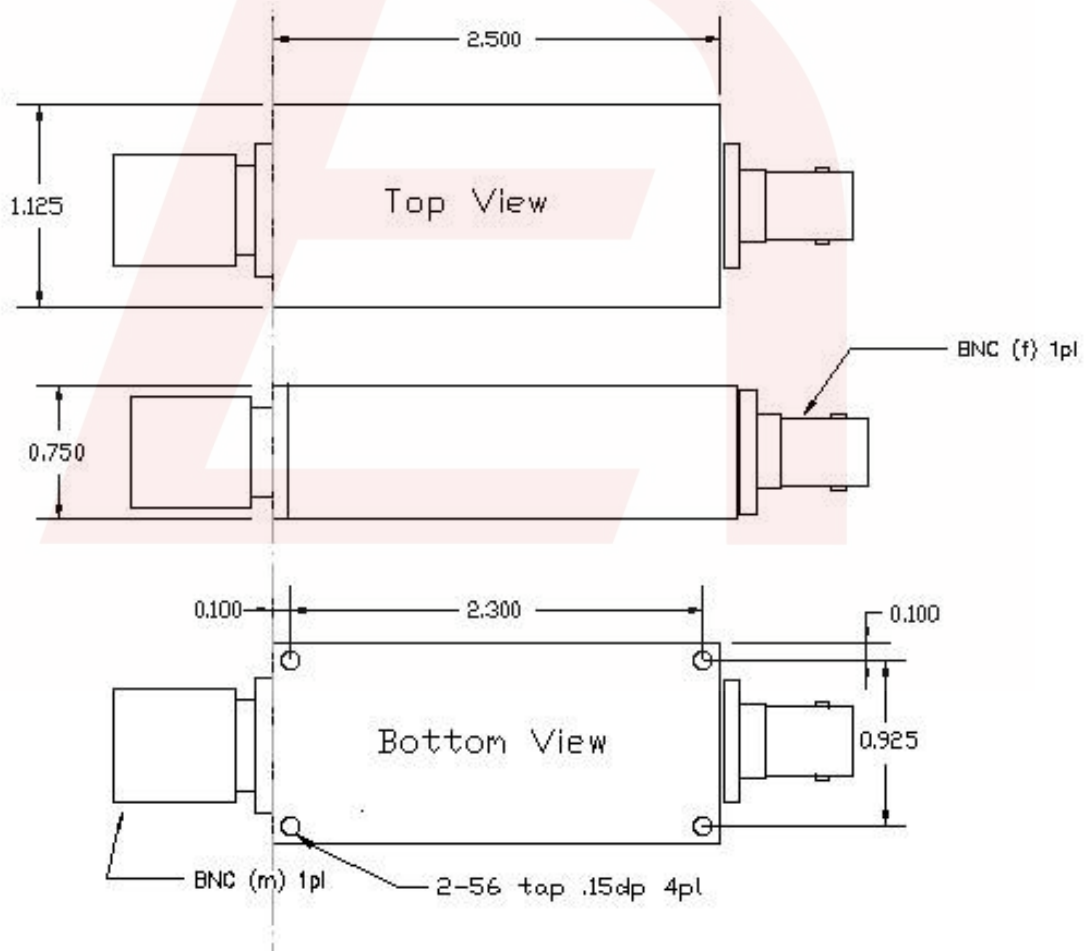
Operating Temperature: -40°C to +70°C

Storage Temperature: -55°C to +85°C

Shock: 10 G. 11ms

Vibration: 10 G. 5 to 2000 Hz

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-B9600-01222025-Rev2



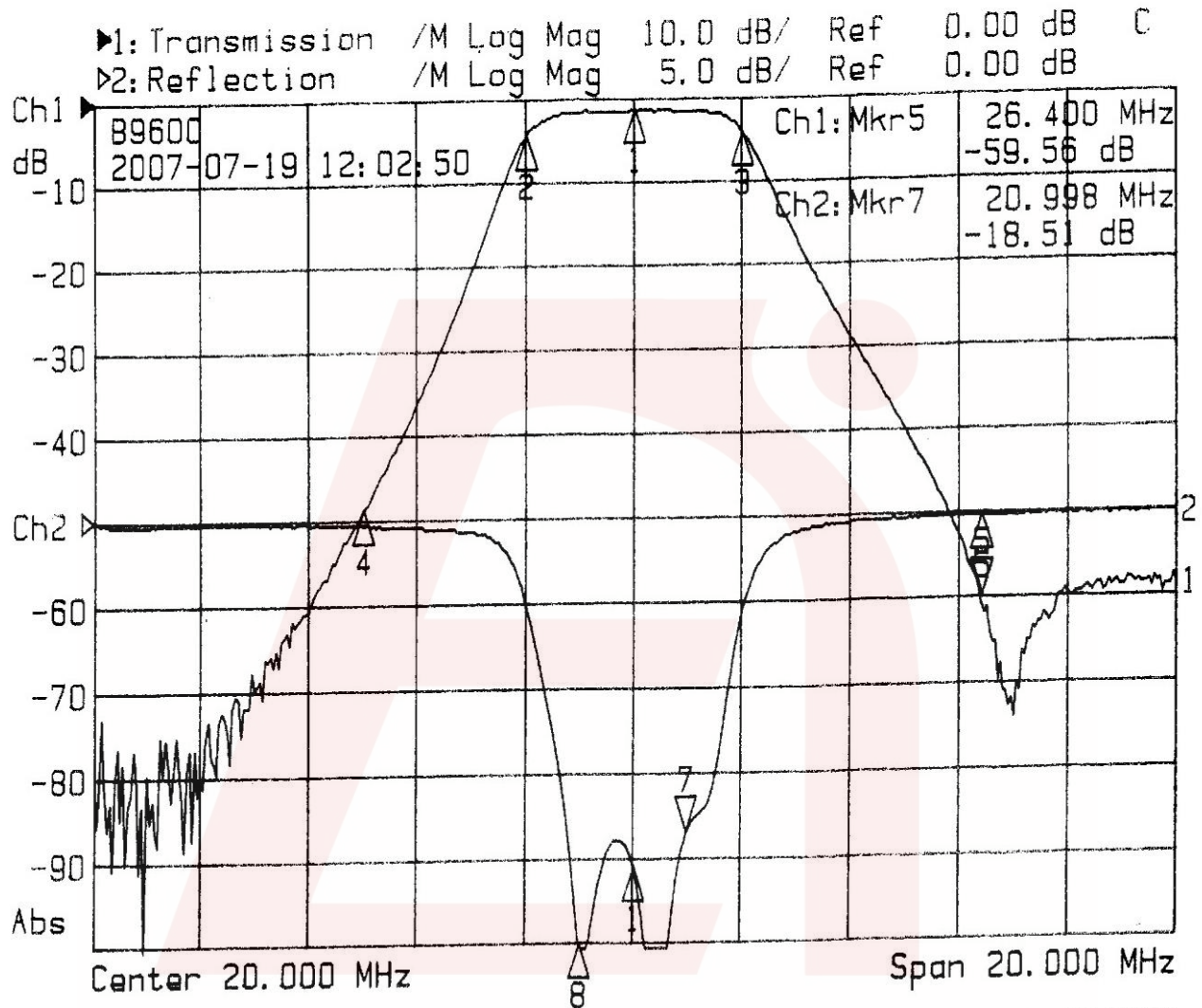
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Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 20.00	-1.34	1: 20.00	-20.54
2: 18.00	-4.41		
3: 22.00	-4.09		
4: 15.00	-48.71		
5> 26.40	-59.56	5: 26.40	-0.16
		7> 21.00	-18.51
		8: 19.00	-25.00

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