



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

5.4 MHz LC Band Pass Filter

Part Number: AE5.4B5511



Electrical Specifications

Center Frequency: 5.4 MHz
0.3dB Bandwidth: 700 KHz
Insertion Loss: 1.75 dB Max.
Return Loss: 15 dB Min.
Rejection: ≥ 25 dB @ 1.5 MHz
Rejection2: ≥ 30 dB @ 6.11MHz
Impedance: 50 Ohms

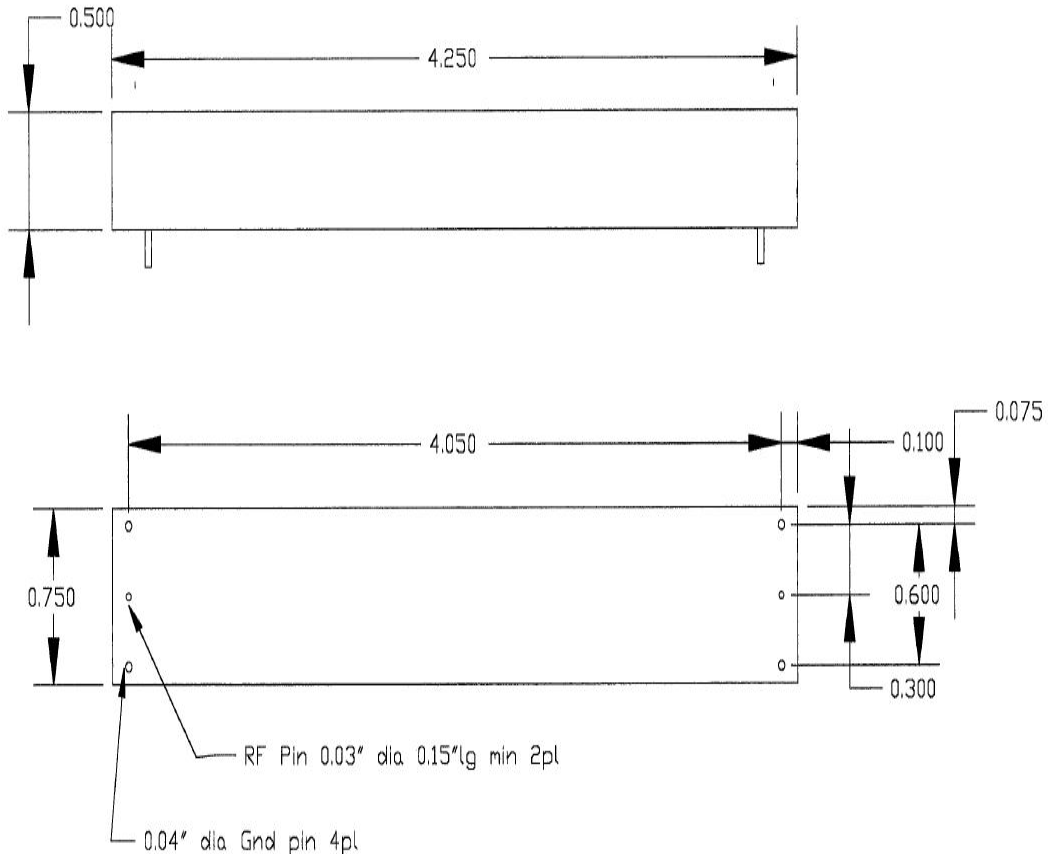
Mechanical

Connector Type: PC-Mount
Dimensions: 4.25" X 0.75" x 0.5" approx.

Environmental

Operating Temperature: -25°C to +70°C
Storage Temperature: -40°C to +90°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.

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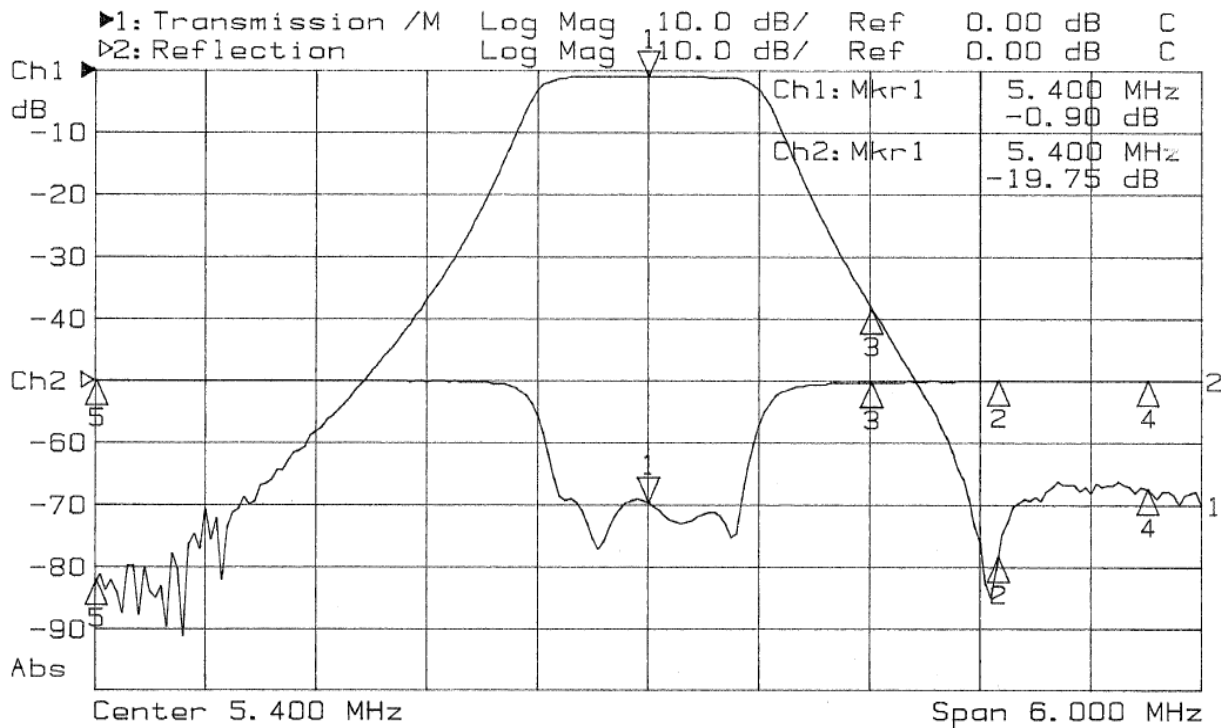
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Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 5.40	-0.90	1> 5.40	-19.75
2: 7.30	-78.49	2: 7.30	-0.13
3: 6.61	-38.36	3: 6.61	-0.24
4: 8.11	-67.65	4: 8.11	-0.04
5: 2.41	-82.30	5: 2.41	0.02