



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

51.68 MHz LC Band Pass Filter

Part Number: AE51.68B5474



Electrical Specifications

Center Frequency: 51.68 MHz
0.5dB Passband: 51.43-51.93 MHz
Insertion Loss: 10.0 dB Max.
Return Loss: 14.0 dB Min.
Rejection1: 35dB Min @ 50.2 MHz
Rejection2: 35dB Min @ 53.3 MHz
Impedance: 50 Ohms

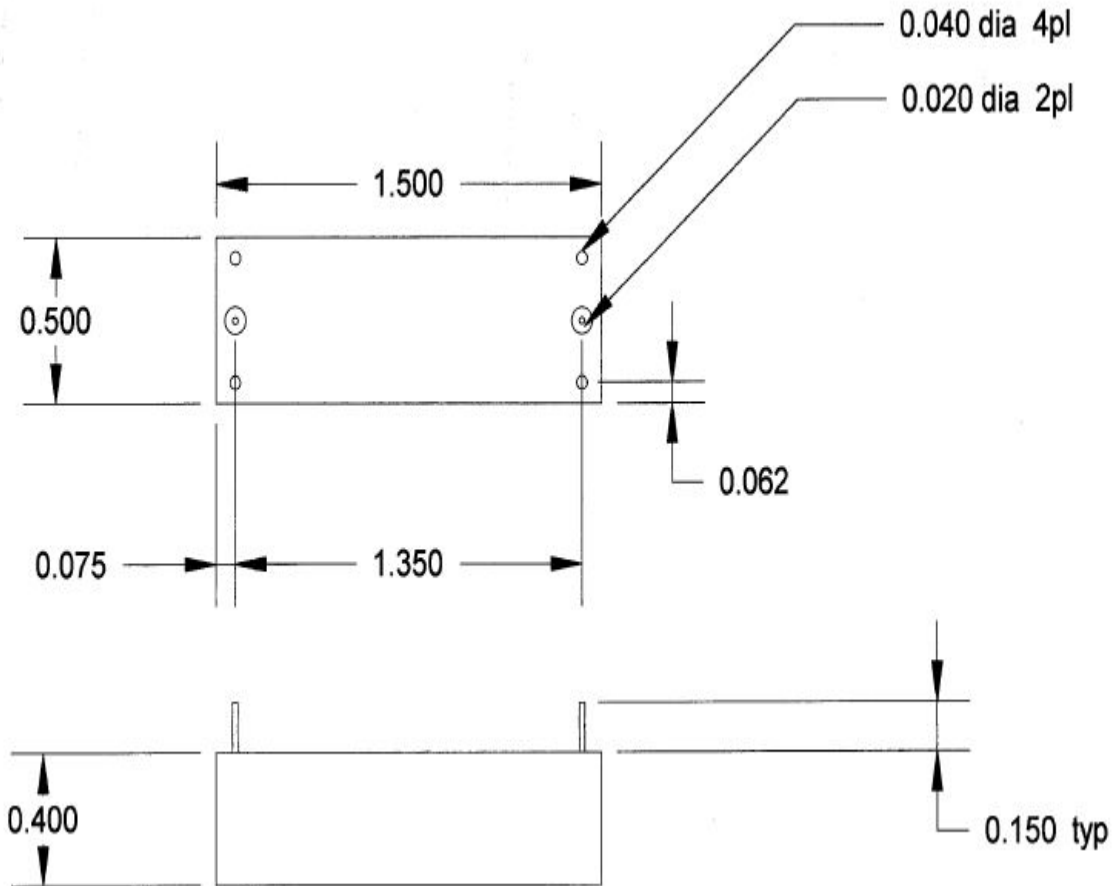
Mechanical

Connector Type: PC-Mount
Dimensions: 1.5" X 0.5" x 0.4".

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.

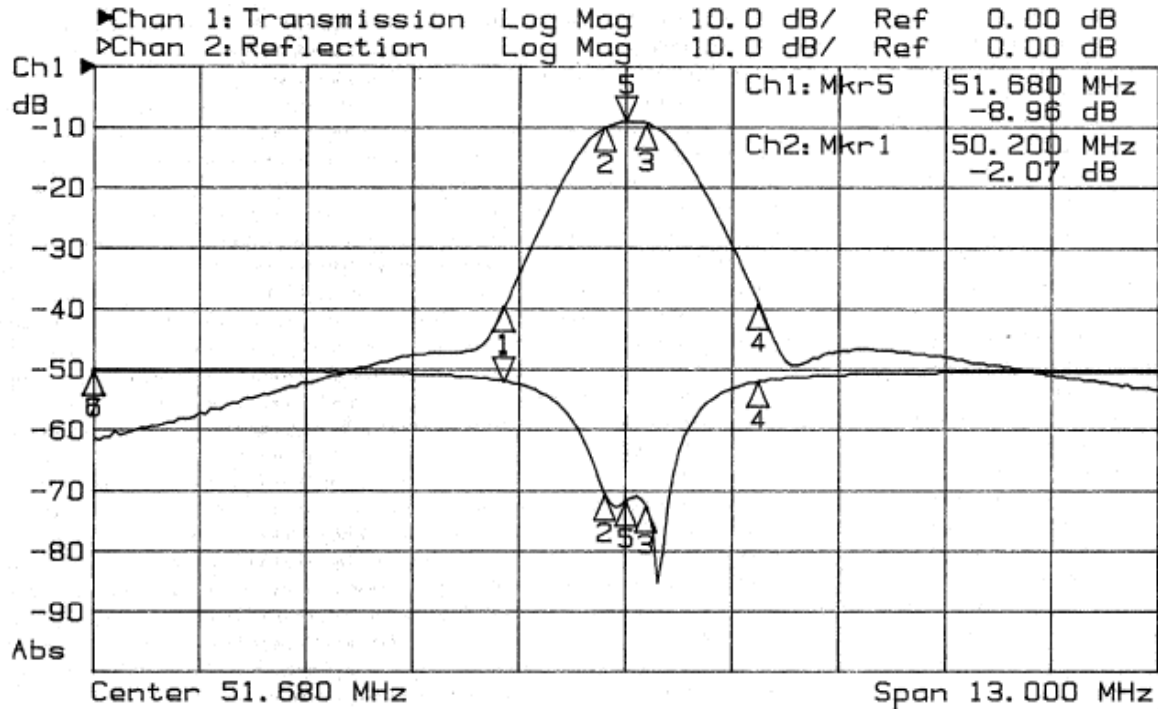
*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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Response Plot:



Marker	Freq(MHz)	Ch 1 (dB)	Ch 2 (dB)
1	50.200	-39.62	-2.07
2	51.430	-9.89	-20.77
3	51.930	-9.47	-22.67
4	53.300	-39.32	-1.97
5	51.680	-8.96	-21.65
6	7.236		-0.22
7	7.750		-0.22
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