



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

42.58 MHz LC Band Pass Filter

Part Number: AE42.58B5469



Electrical Specifications

Center Frequency: 42.58 MHz
0.5dB Bandwidth: 0.5 MHz
Insertion Loss @42.58 MHz: 8.0dB Max.
Return Loss @ 42.58 MHz: 14.0dB Min.
Rejection1: 35dB Min @ 40.8 MHz
Rejection2: 35dB Min @ 44.77 MHz

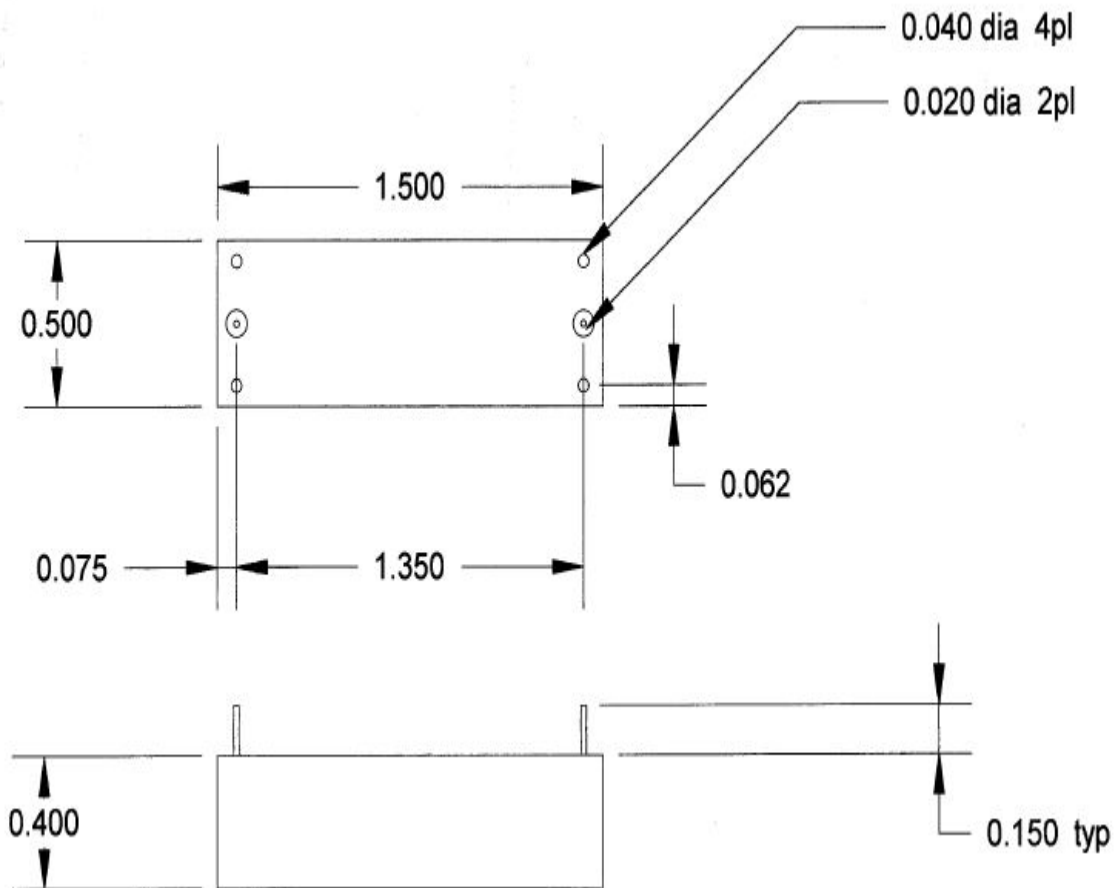
Mechanical

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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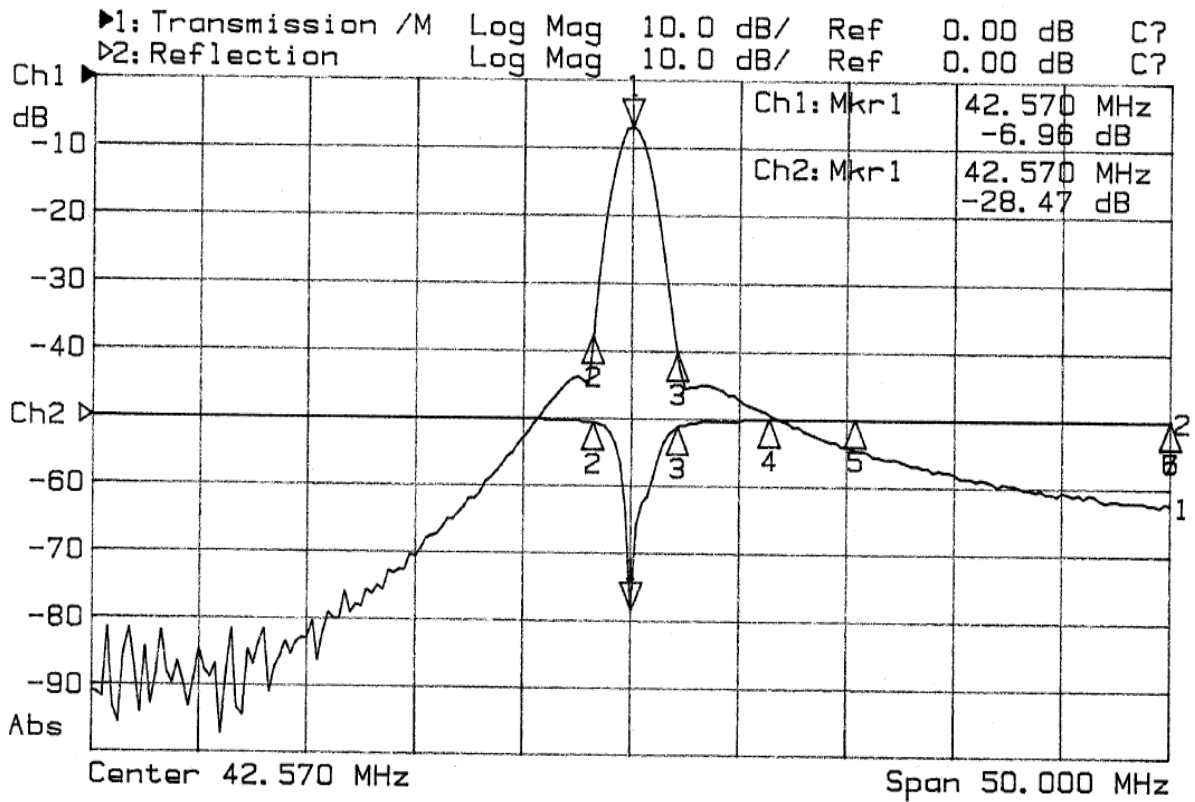
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Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 42.57	-6.96	1> 42.57	-28.47
2: 40.80	-37.69	2: 40.80	-0.71
3: 44.70	-40.42	3: 44.70	-1.30
		4: 49.00	-0.08
		5: 53.00	-0.06
		6: 67.57	-0.10
		7: 67.57	-0.10