



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

44 MHz LC Band Pass Filter

Part Number: AE44B5545



Electrical Specifications

Center Frequency(CF): 44 MHz
1dB Bandwidth: 15 MHz Min.
Insertion Loss @ CF: 3.0 dB Max.
Return Loss @ 36.6-41.5 MHz: 14 dB Min.
Rejection1: 45 dB Min. @ 19 MHz
Rejection2: 45 dB Min. @ 69 MHz

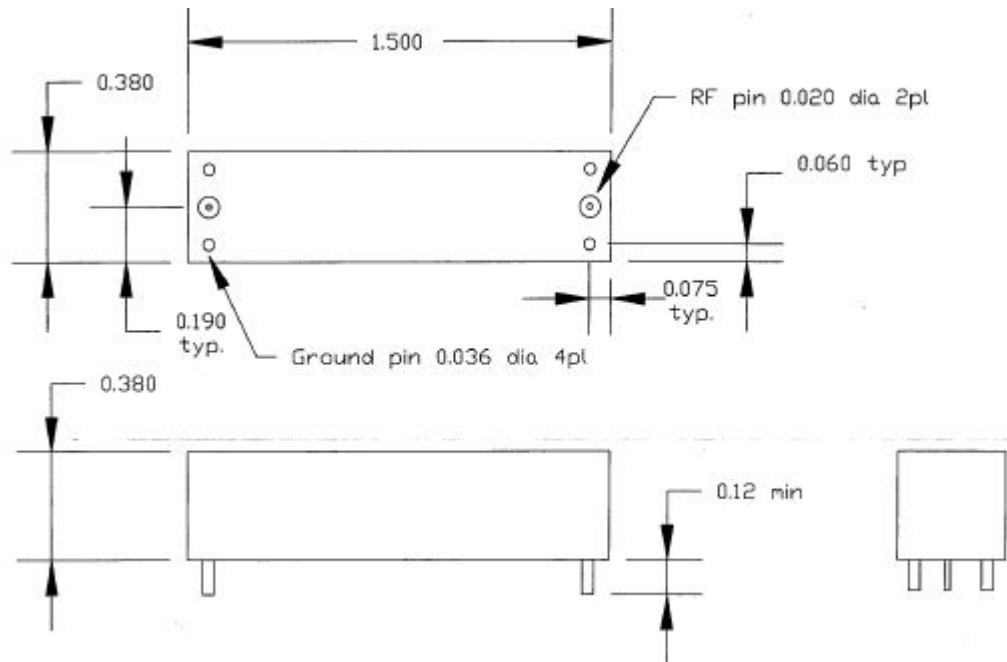
Mechanical

Connector Type: PC-Mount
Dimensions: 1.5" X 0.38" x 0.38" .

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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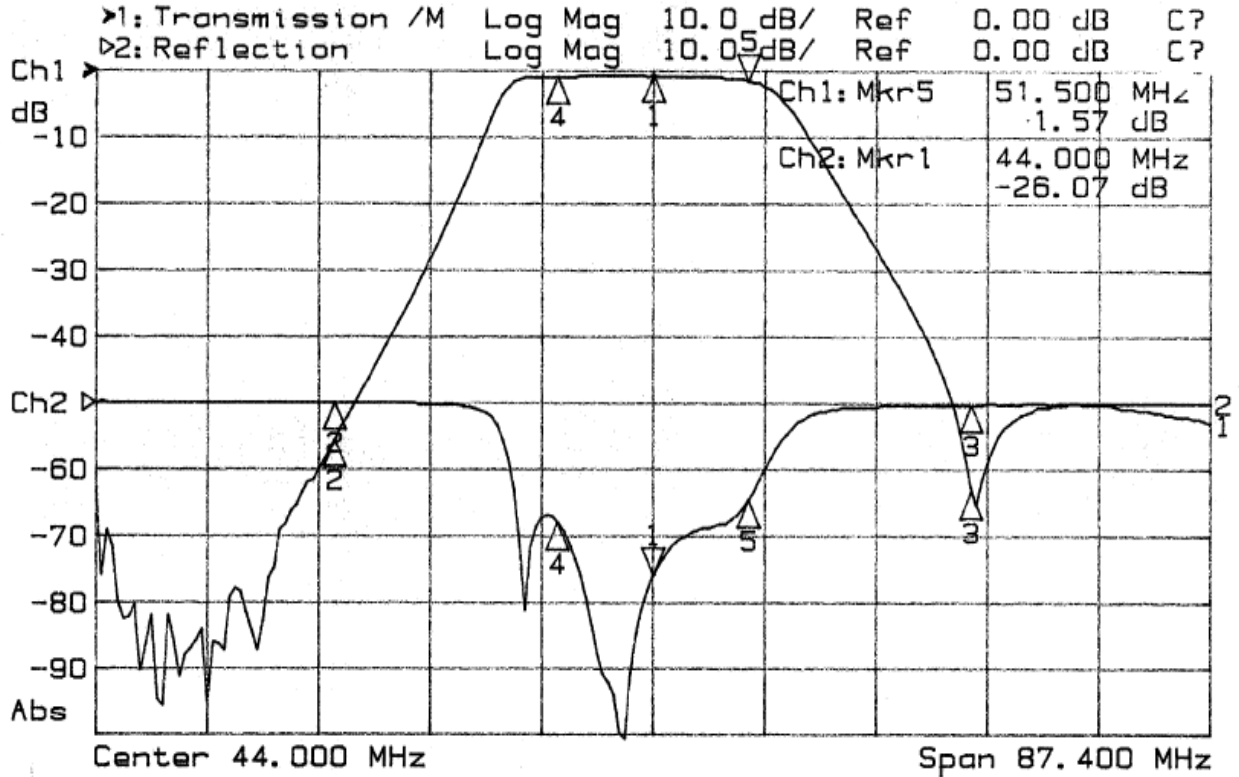
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Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB		
1:	44.00	-0.76	1>	44.00	-26.07
2:	19.00	-55.48	2:	19.00	-0.05
3:	69.00	-63.41	3:	69.00	-0.20
4:	36.50	-0.86	4:	36.50	-17.97
5>	51.50	-1.57	5:	51.50	-14.55