



**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

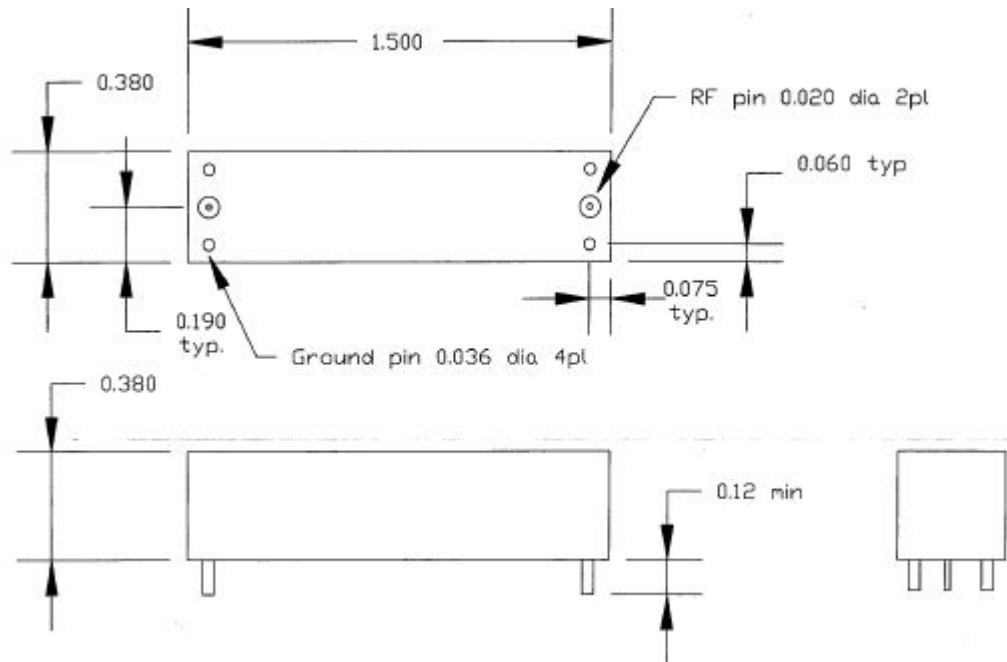
### Mechanical

**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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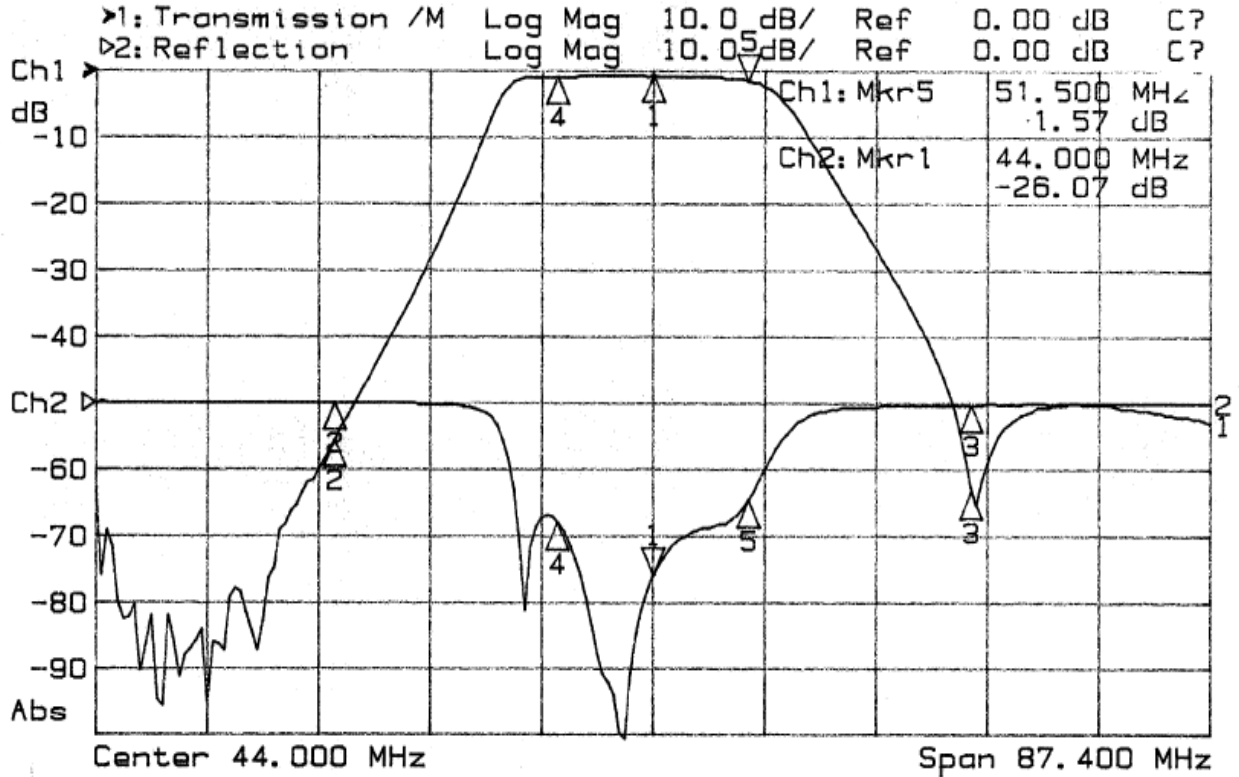
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## Response Plot:



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