



**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:**  $\geq 25$  dB @ 1.5 MHz  
**Rejection2:**  $\geq 30$  dB @ 6.11MHz  
**Impedance:** 50 Ohms

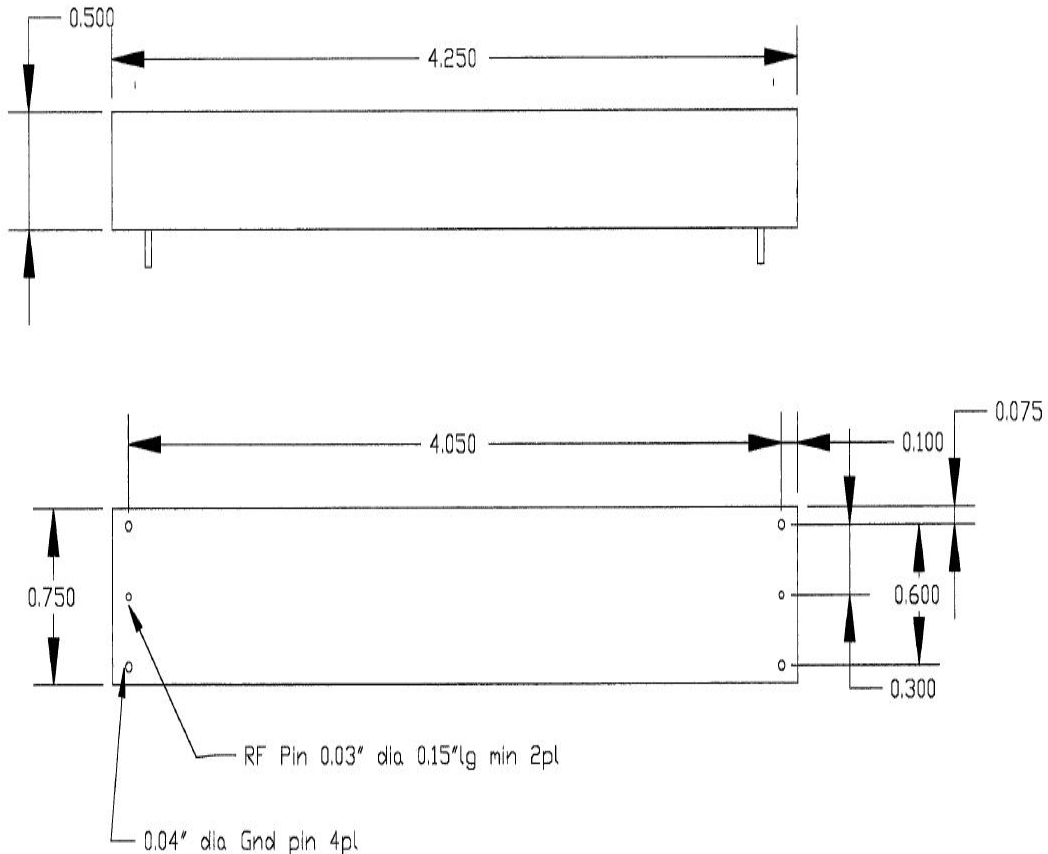
### Mechanical

**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.

**70 Outwater Lane Phone: (973) 772-4242**  
**Garfield, NJ 07026 Fax : (973) 321-3941**

**Email: [sales@anatechelectronics.com](mailto:sales@anatechelectronics.com)**  
**Web: [www.anatechelectronics.com](http://www.anatechelectronics.com)**



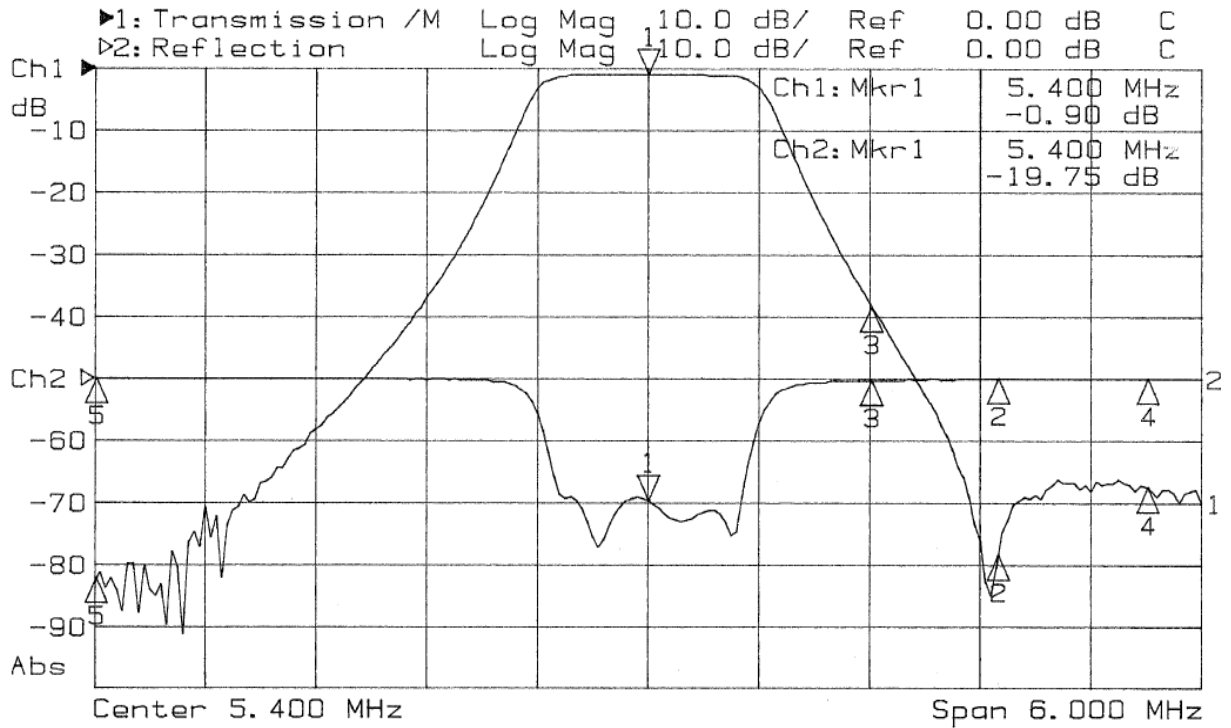
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 5.4 MHz LC Band Pass Filter

**Part Number: AE5.4B5511**



## 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