



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

# 127.7 MHz LC Band Pass Filter

**Part Number: AE127.7B5472**



## Electrical Specifications

**Center Frequency(CF):** 127.7 MHz  
**0.5dB Passband:** 127.45-127.95 MHz  
**Insertion Loss @ CF:** 10.0dB Max.  
**Return Loss @ CF:** 14.0dB Min.  
**Rejection1:** 35dB Min @ 123.4 MHz  
**Rejection2:** 35dB Min @ 131.5 MHz

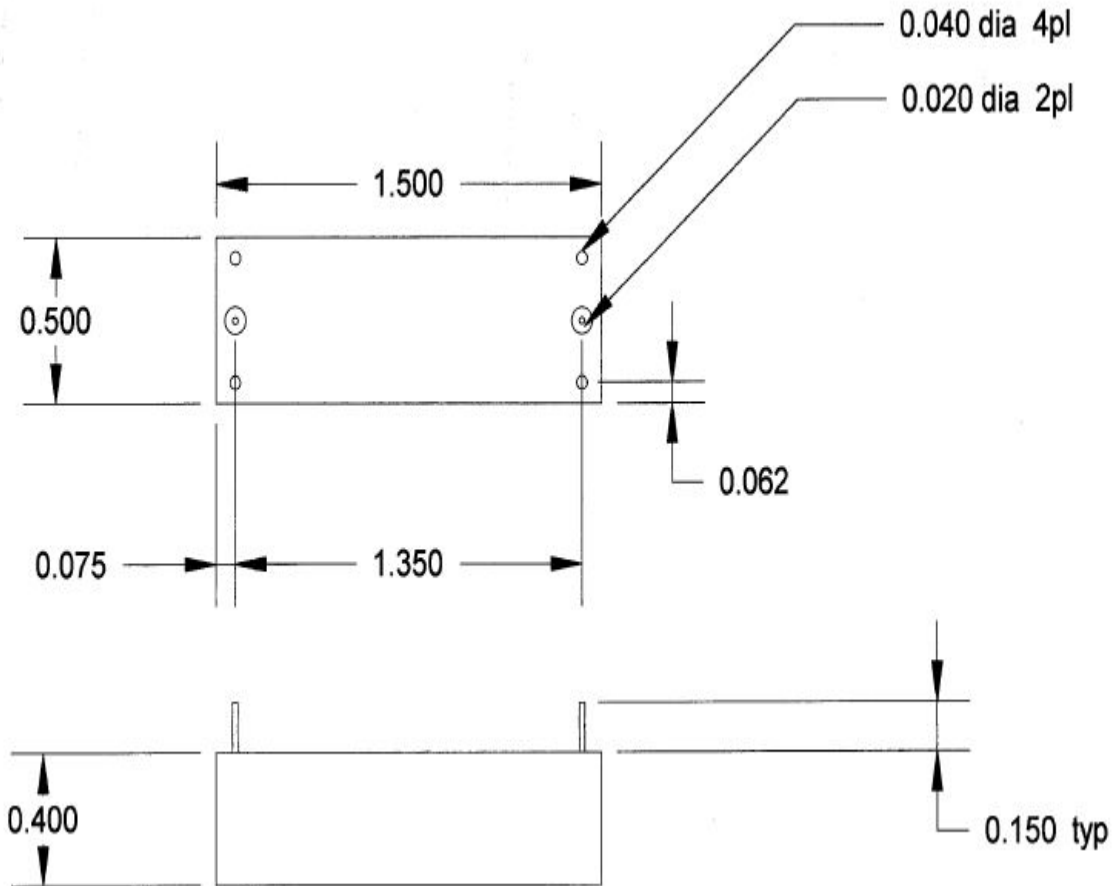
## Mechanical

**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.

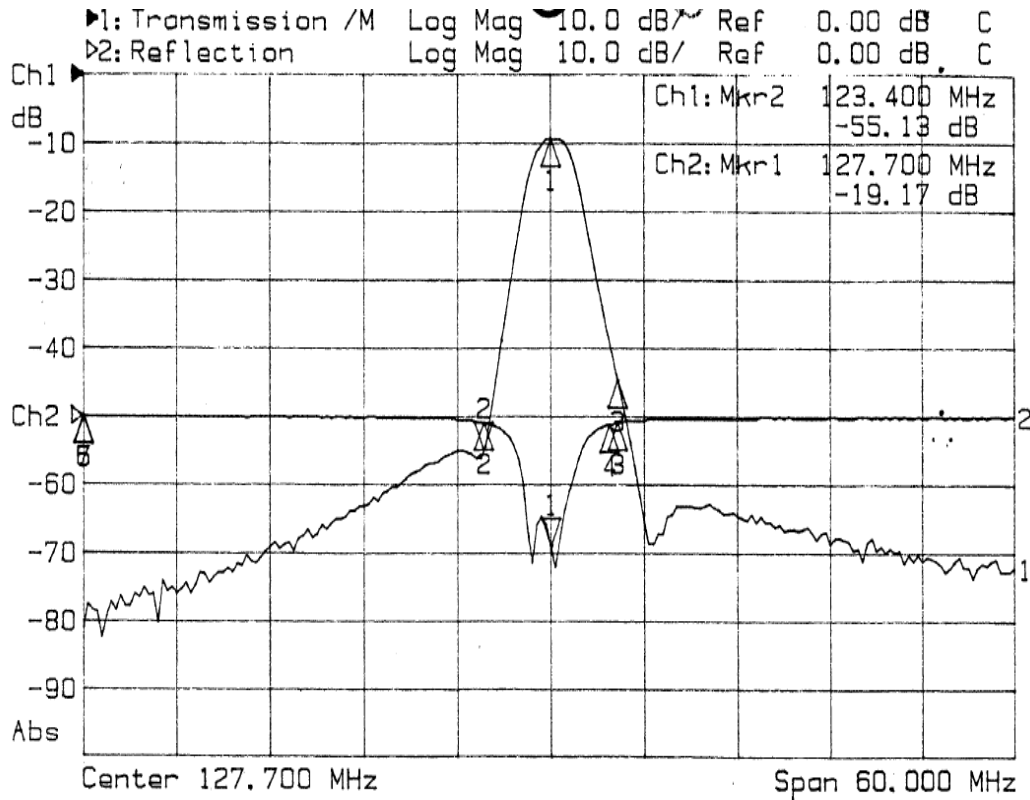
\*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

**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)**



**Response Plot:**



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 127.70	-9.24	1> 127.70	-19.18
2> 123.40	-55.13	2: 123.40	-1.04
3: 132.00	-44.77	3: 132.00	-0.92
		4: 131.50	-1.20
		5: 97.70	-0.08
		6: 97.70	-0.08
		7: 97.70	-0.08