



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

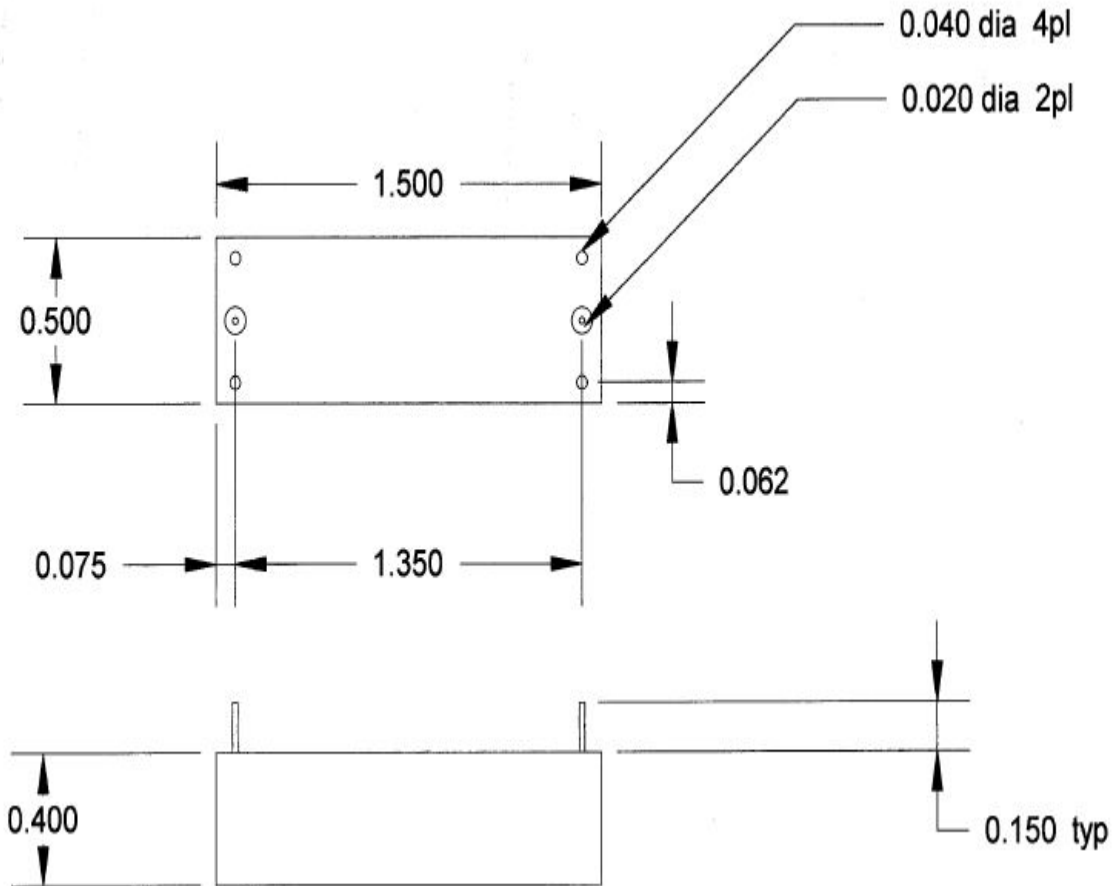
Mechanical

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.

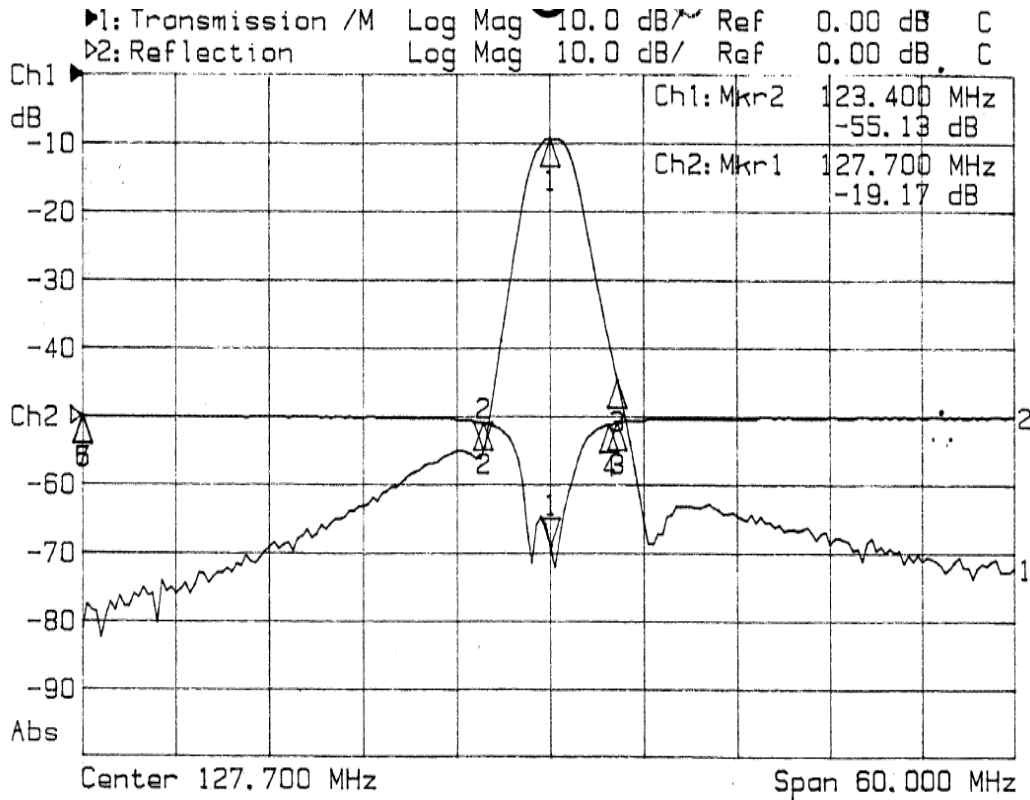
*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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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