



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

14.89 MHz LC Band Pass Filter

Part Number: AE14.89B5690



Electrical Specifications

Center Frequency: 14.89 MHz
Passband(PB): 13.89-15.89 MHz
Insertion Loss @ 14.89MHz: 3.0 dB Max.
Flatness in PB: 0.5dB Max.
Return Loss over PB: 14.0dB Min.
Rejection1: ≥ 20 dB @ 0-12.7 MHz
Rejection2: ≥ 60 dB @ 8.2 MHz
Rejection3: ≥ 20 dB @ 18.1 MHz
Rejection4: ≥ 40 dB @ 19.2-300 MHz

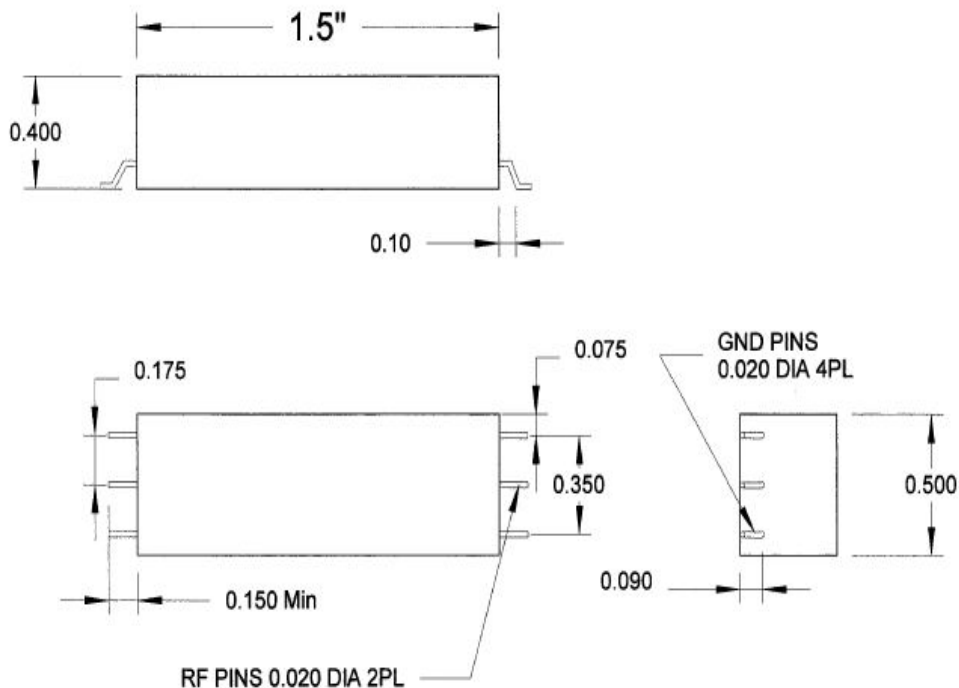
Mechanical

Connector Type: SMT
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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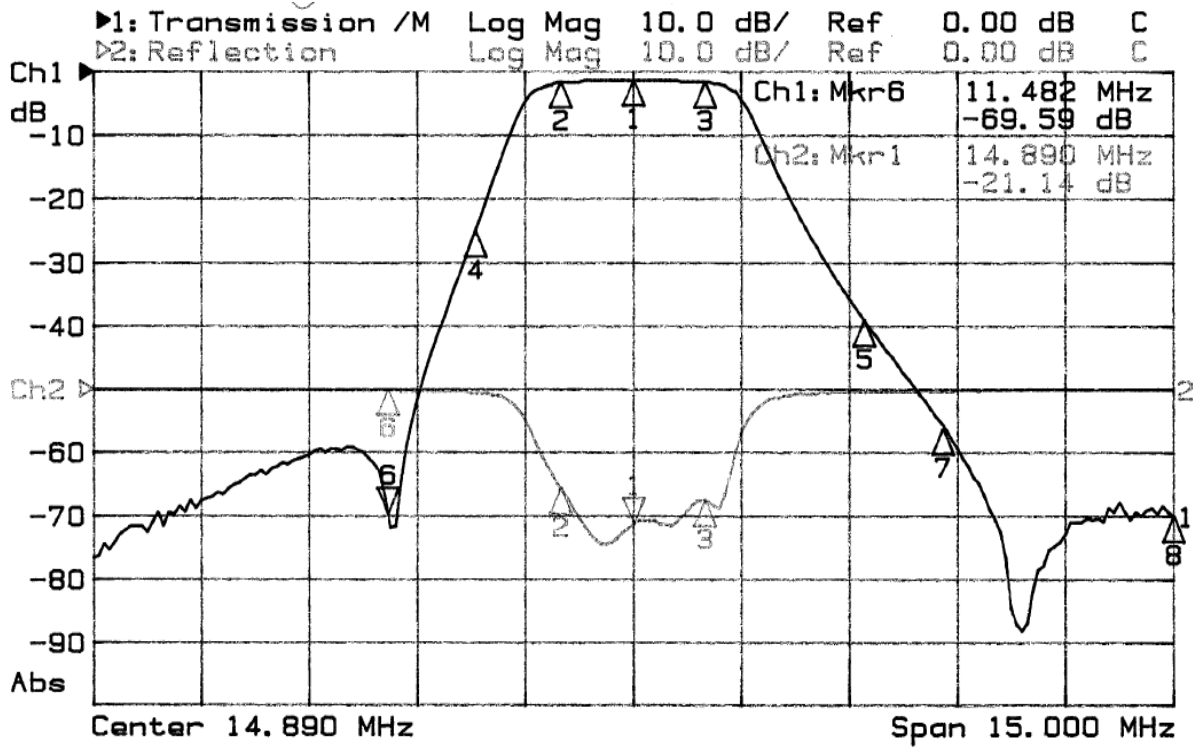
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Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB		
1:	14.89	-1.30	1>	14.89	-21.14
2:	13.89	-1.61	2:	13.89	-15.73
3:	15.89	-1.67	3:	15.89	-17.53
4:	12.70	-24.85			
5:	18.10	-39.00			
6>	11.48	-69.59	6:	11.48	-0.13
7:	19.20	-56.22			
8:	22.39	-70.14			