



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

## 220 MHz LC Band Pass Filter

Part Number: **AE220B5497**



### Electrical Specifications

**Center Frequency:** 220 MHz  
**3dB Passband(PB):** 197-243 MHz  
**Insertion Loss in PB:** 4.0dB Max.  
**Return Loss in PB:** 17.0dB Min.  
**Rejection1:** 65 dB Min. @ 0-180 MHz  
**Rejection2:** 70 dB Min. @ 190 MHz  
**Rejection3:** 20 dB Min. @ 250 MHz  
**Rejection4:** 60 dB Min. @ 270-2500 MHz  
**Power Handling:** 10 W.

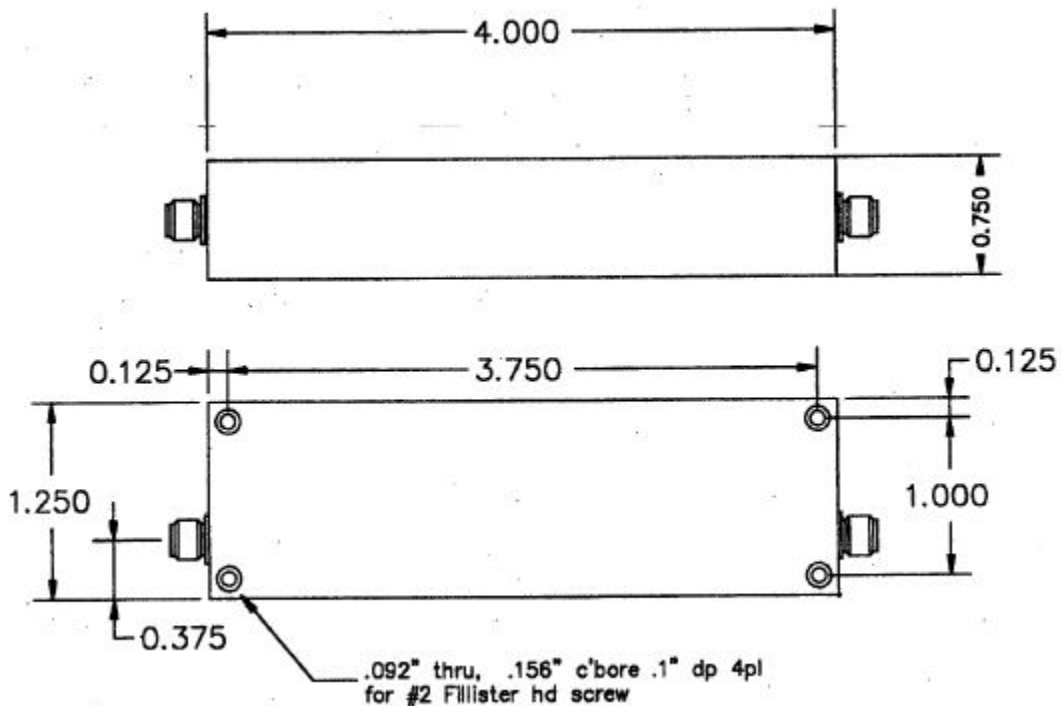
### Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 4.0" X 1.25" x 0.75".

### 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.

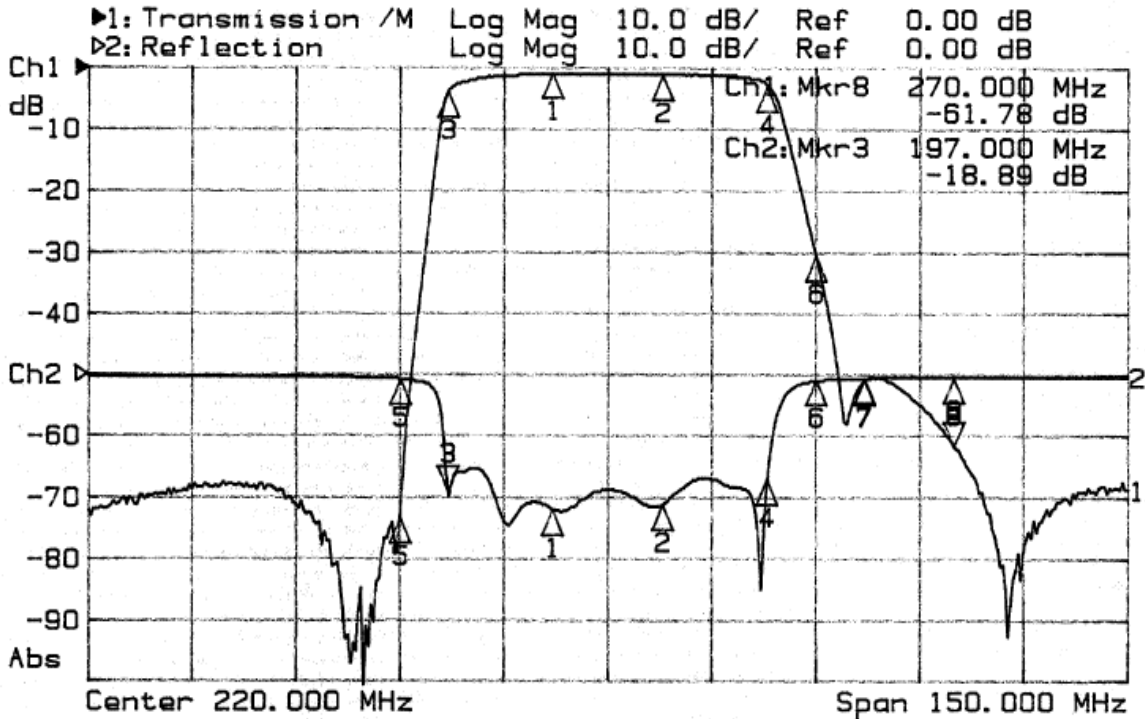
\*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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**Response Plot:**



Marker	Freq (MHz)	Ch 1 (dB)	Ch 2 (dB)
1	212.000	-0.89	-21.98
2	228.000	-0.96	-21.07
3	197.000	-3.76	-18.89
4	243.000	-2.82	-16.96
5	190.000	-73.25	-0.80
6	250.000	-30.44	-0.91
7	257.000	-50.93	-0.47
8	270.000	-61.78	-0.39