



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

# 160 MHz LC Band Pass Filter

Part Number: AE160B6097



## Electrical Specifications

**Center Frequency:** 160 MHz  
**Bandwidth:** 100 MHz  
**Insertion Loss:** 3.0dB Max.  
**Return Loss:** 14dB Min.  
**Rejection:**  $\geq 50\text{dB}$  @ 90 MHz  
**Rejection2:**  $\geq 50\text{dB}$  @ 230 MHz

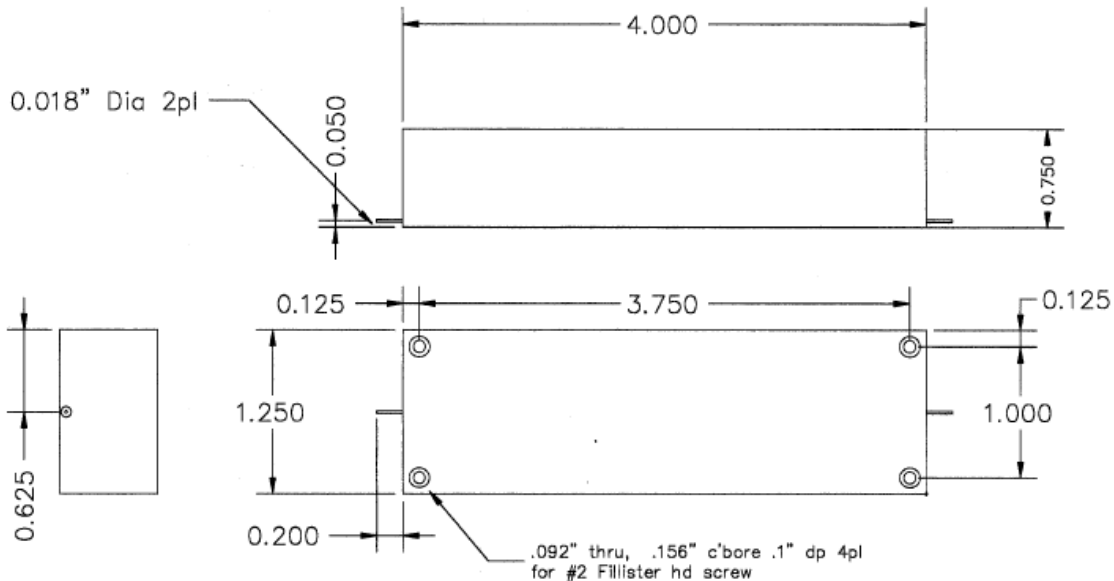
## Mechanical

**Mounting Method:** Through Holes  
**Connector Type:** Drop-in  
**Dimensions:** 4.0" X 1.25" x 0.75" .

## Environmental

**Operating Temperature:**  $-25^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
**Storage Temperature:**  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$   
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

## Outline Drawing:





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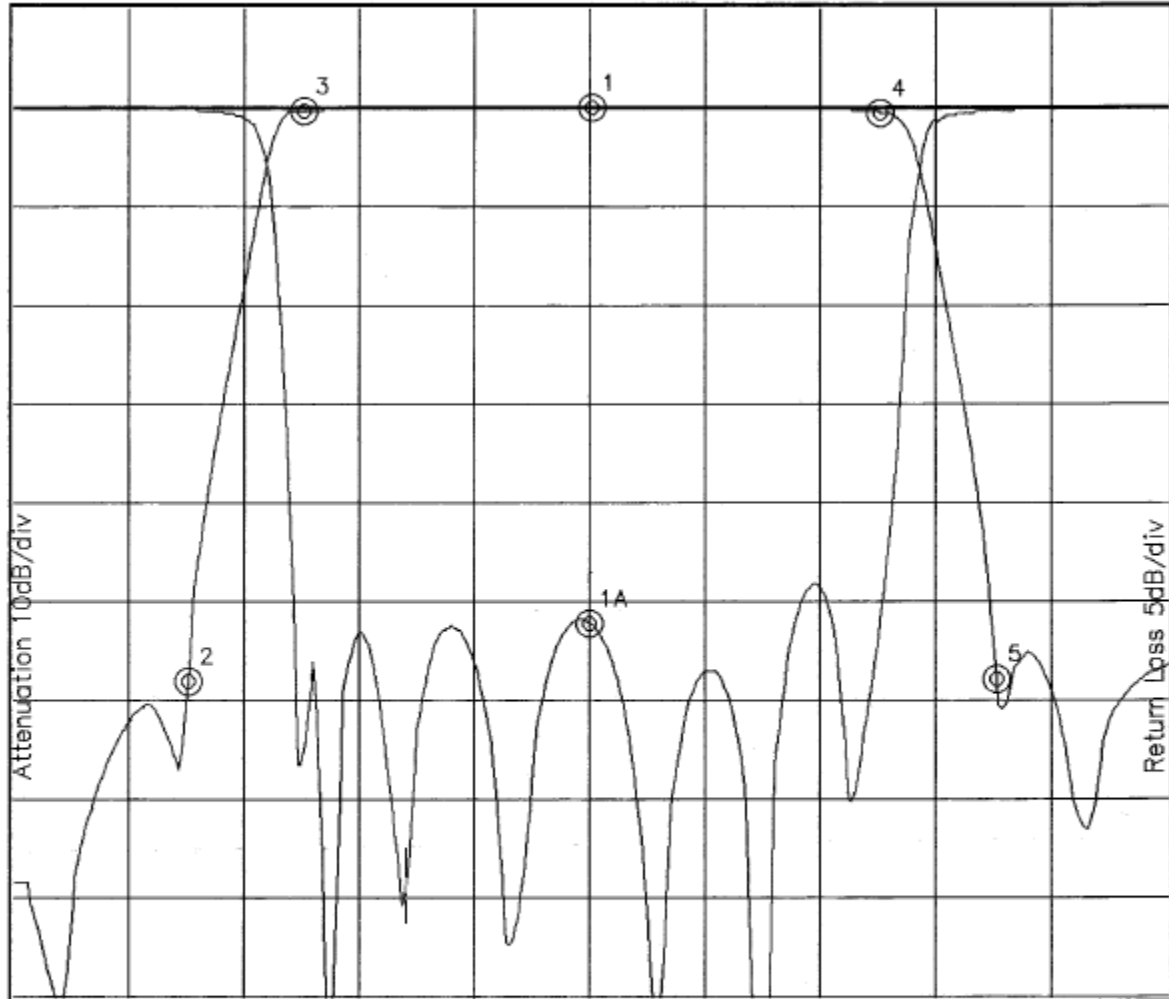


## Simulation Plot:

B6097.lad

OCT 22, 2001

Attenuation/Return Loss



Attenuation Start: 60.0MHz Stop: 260.0MHz

Return Loss Start: 60.0MHz Stop: 260.0MHz

Offset -0.2173dB

Marker 1 Freq 160.16MHz Atten -0.044dB  
Marker 2 Freq 90.048MHz Atten -58.556dB  
Marker 3 Freq 110.08MHz Atten -0.426dB  
Marker 4 Freq 210.24MHz Atten -0.566dB  
Marker 5 Freq 230.27MHz Atten -58.213dB

Marker 1A Freq 159.83MHz Ret Loss -26.259dB