



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

# 17.23 MHz LC Band Pass Filter

**Part Number: AE17.23B5470**



## Electrical Specifications

**Center Frequency(CF):** 17.23 MHz  
**0.5dB Passband:** 16.98-17.48 MHz  
**Insertion Loss @ CF:** 8.0dB Max.  
**Return Loss @ CF:** 14.0dB Min.  
**Rejection1:** 35dB Min. @ 15.8 MHz  
**Rejection2:** 35dB Min. @ 18.8 MHz

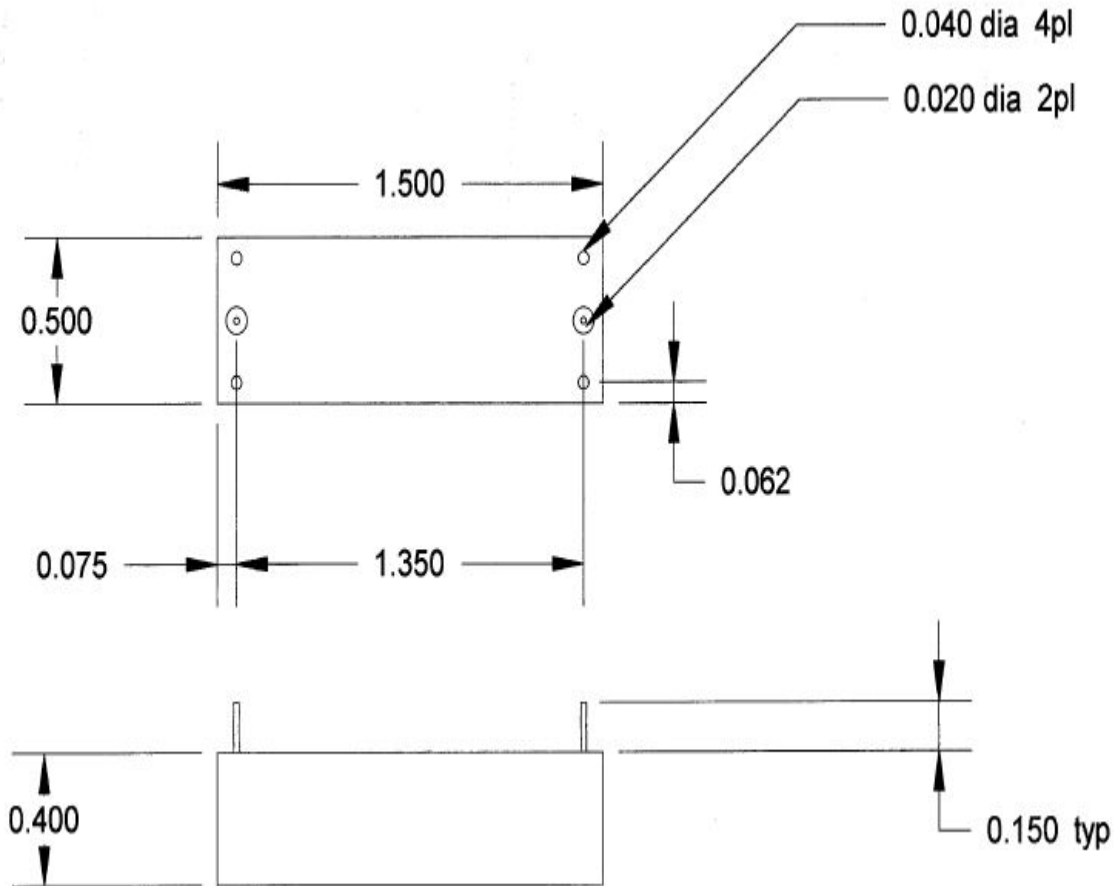
## Mechanical

**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:



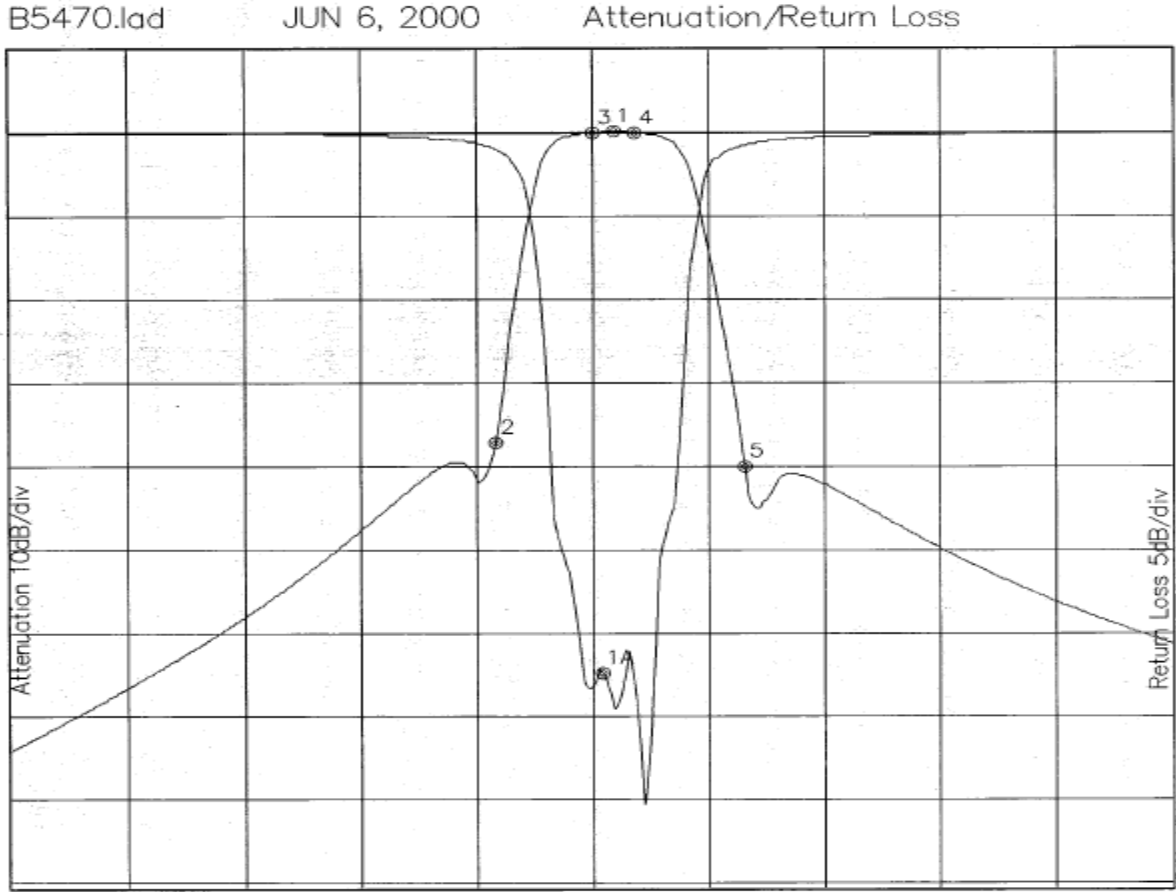
Tolerance: +/-0.01 inches [ +/-0.3mm] Angles: +/-1 Deg.

\*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.



### Response Plot:



Attenuation Start: 10.0MHz Stop: 24.0MHz Return Loss Start: 10.0MHz Stop: 24.0MHz  
Offset -2.3913dB  
Marker 1 Freq 17.237MHz Atten 0.141dB Marker 1A Freq 17.102MHz Ret Loss -32.438dB  
Marker 2 Freq 15.813MHz Atten -37.170dB  
Marker 3 Freq 16.989MHz Atten 0.042dB  
Marker 4 Freq 17.486MHz Atten 0.060dB  
Marker 5 Freq 18.821MHz Atten -40.060dB

Note: This is a simulated response plot. Actual performance might differ.