



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

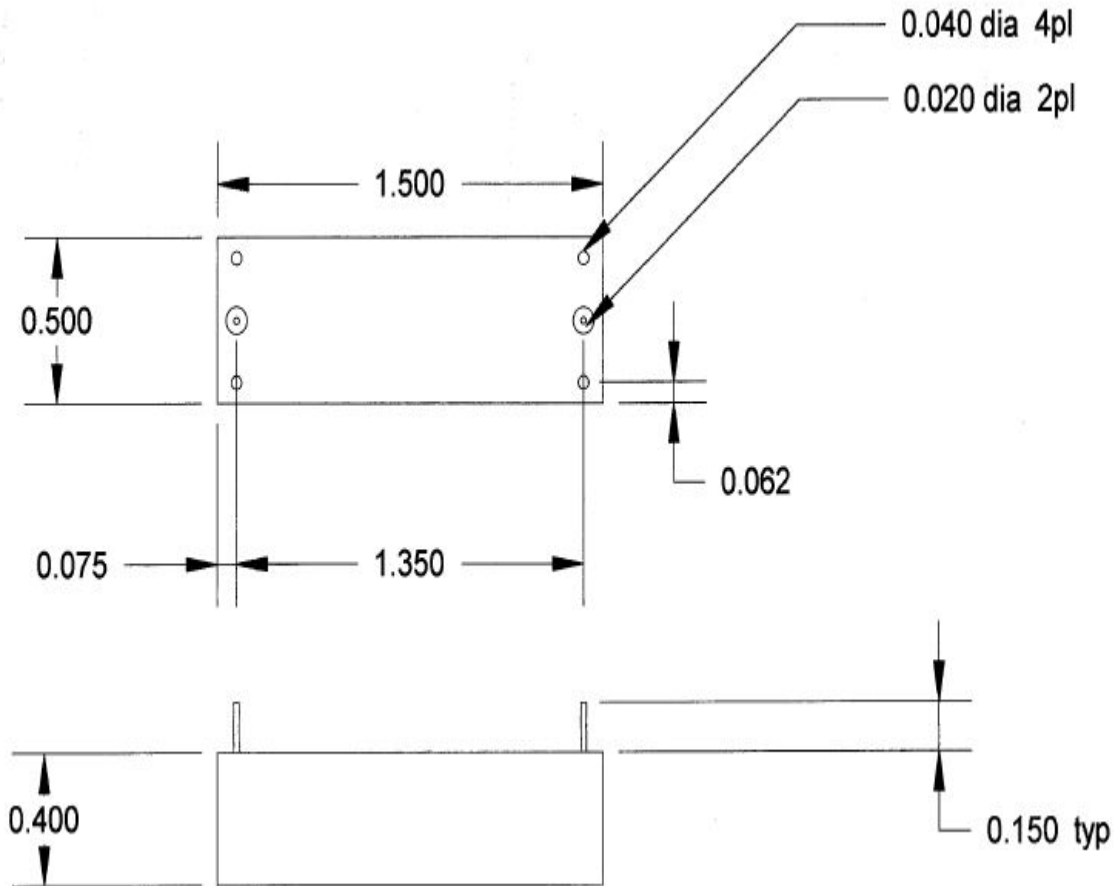
Mechanical

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:



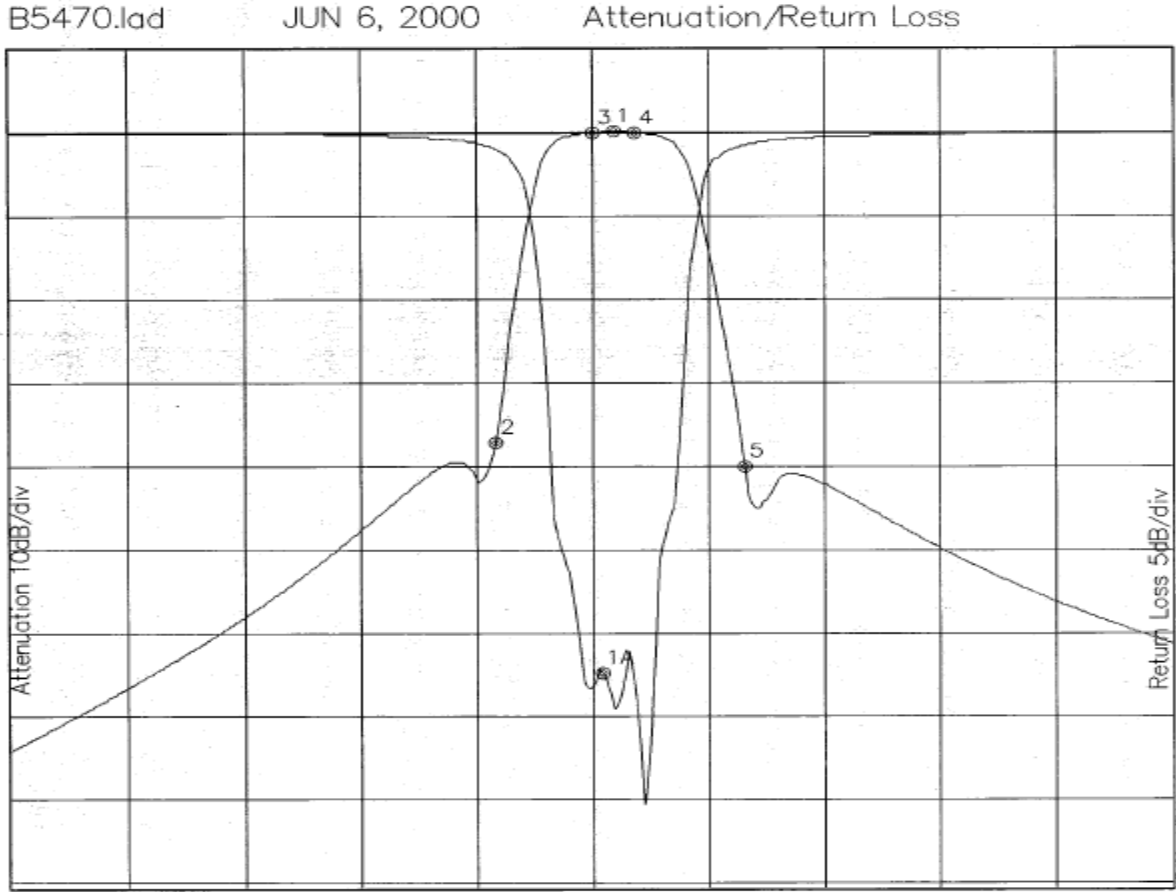
Tolerance: +/-0.01 inches [+/-0.3mm] Angles: +/-1 Deg.

*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.