



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

# 512 MHz LC Band Pass Filter

**Part Number: AE512B5458**



## Electrical Specifications

**Center Frequency:** 512 MHz  
**3dB Passband:** 431-609 MHz  
**Insertion Loss:** 3dB Max.  
**Return Loss:** 14.0dB Min.  
**Rejection1:** 40 dB Min @ 363 MHz  
**Rejection2:** 40 dB Min @ 722 MHz  
**Power Handling:** 10 W

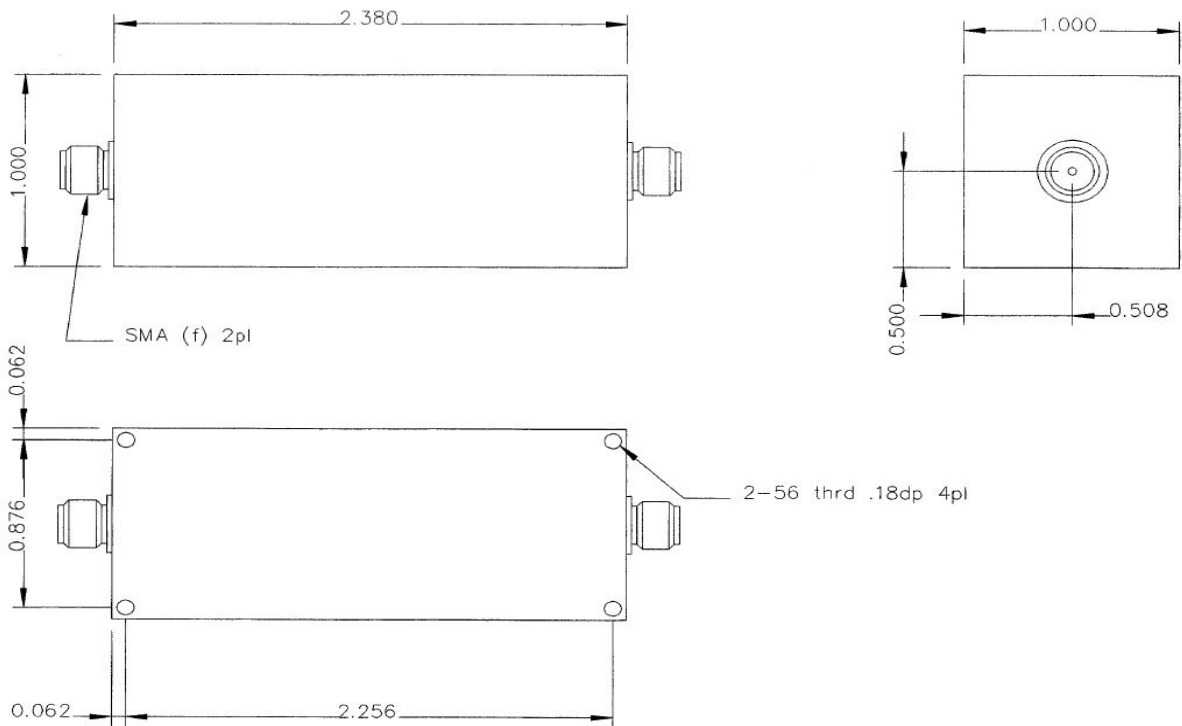
## Mechanical

**Mounting Method:** Threaded Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 2.38" X 1.0" x 1.0".

## 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.

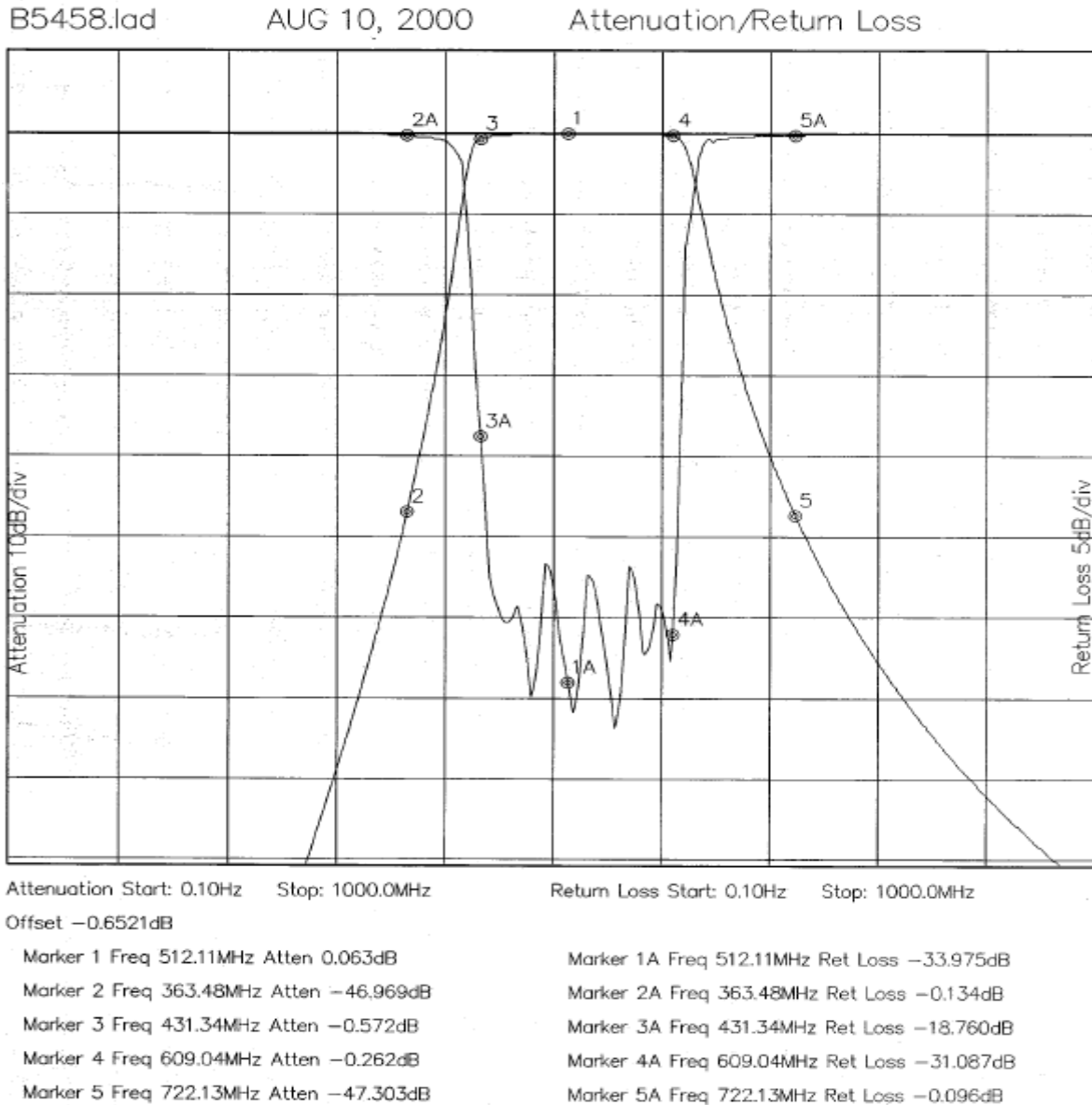
\*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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### Simulation Plot:



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