



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

## 300 MHz LC Band Pass Filter

Part Number: AE300B6356



### Electrical Specifications

**Center Frequency:** 300 MHz  
**3.0dB Bandwidth:** 80 MHz Min.  
**Insertion Loss:** 0.5dB Max.  
**Return Loss:** 14dB Min.  
**Rejection:**  $\geq 40\text{dB}$  @ 100 MHz  
**Rejection2:**  $\geq 80\text{dB}$  @ 360-440 MHz

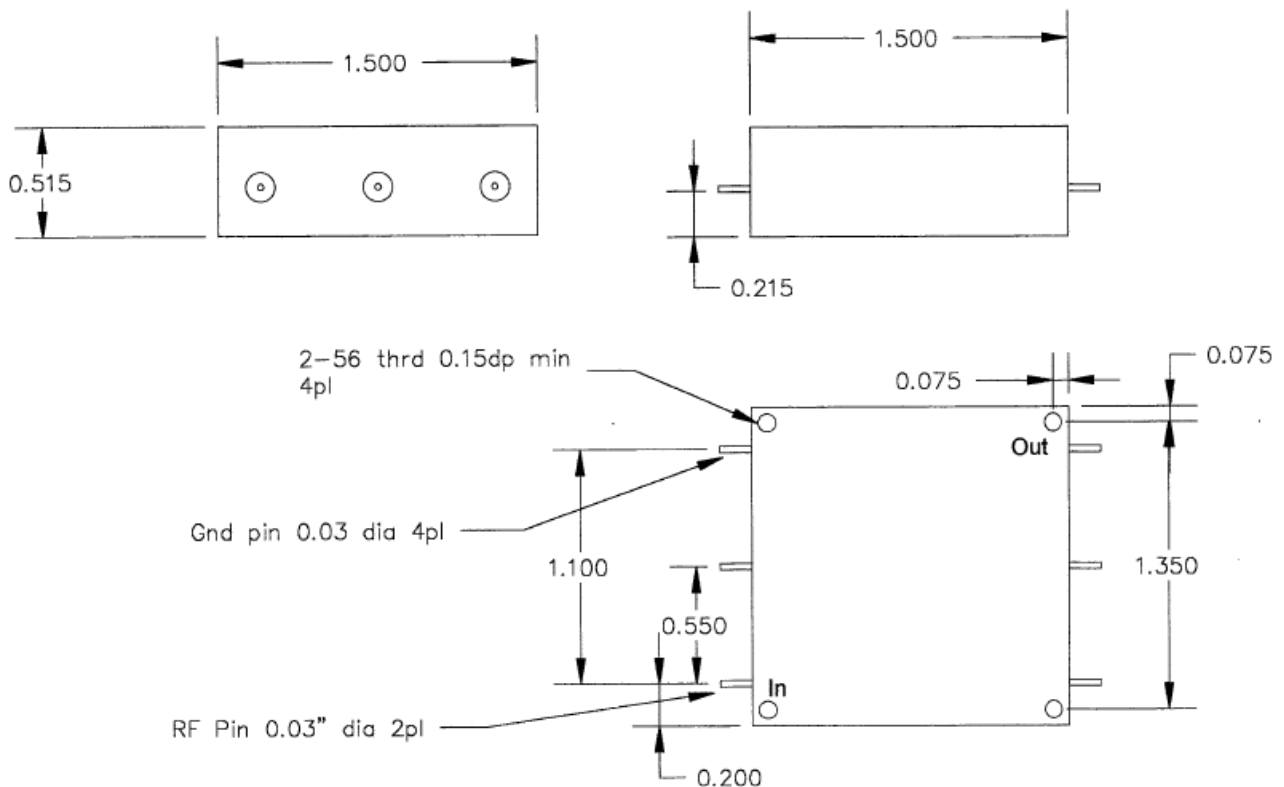
### Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** Drop-in  
**Dimensions:** 1.5" X 1.5" x 0.515"

### Environmental

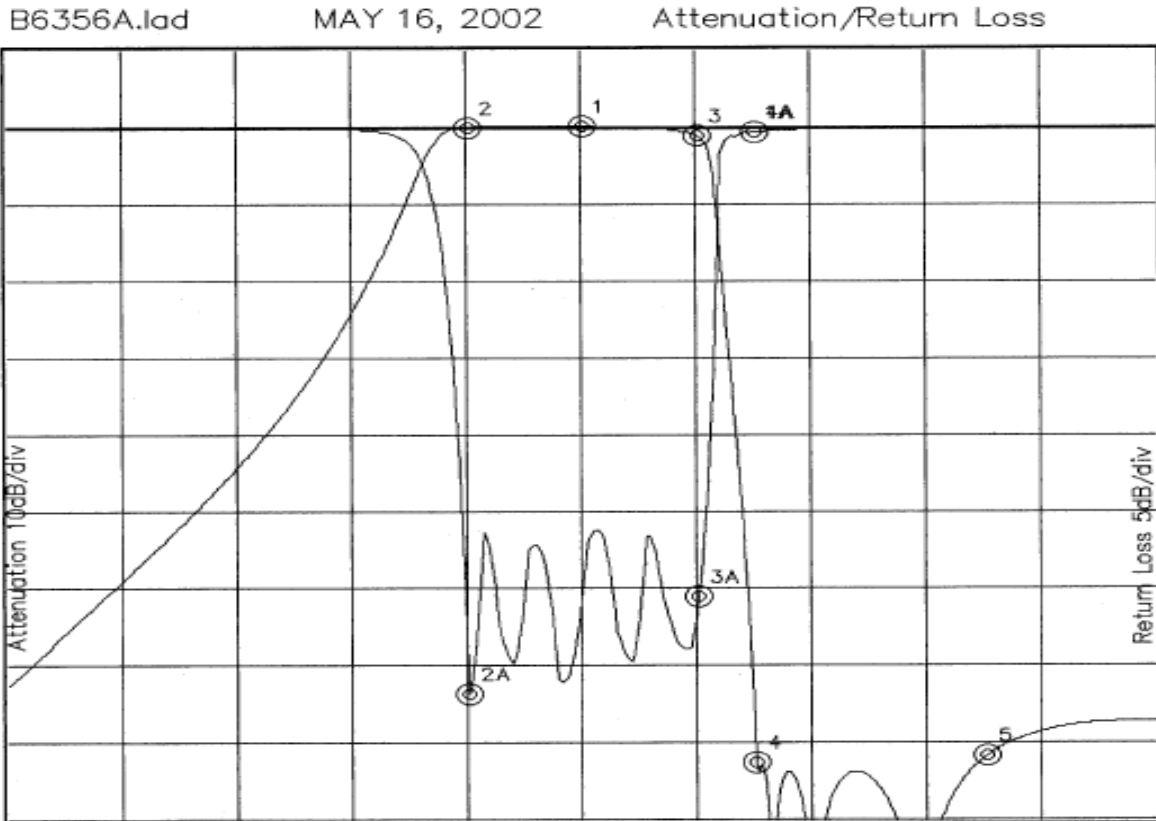
**Operating Temperature:**  $-25^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
**Storage Temperature:**  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$   
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





**Response Plot:**



Attenuation Start: 100.0MHz    Stop: 500.0MHz    Return Loss Start: 100.0MHz    Stop: 500.0MHz

Offset -0.6521dB

Marker 1 Freq 300.32MHz Atten 0.134dB  
 Marker 2 Freq 260.25MHz Atten 0.084dB  
 Marker 3 Freq 340.38MHz Atten -1.193dB  
 Marker 4 Freq 360.42MHz Atten -82.990dB  
 Marker 5 Freq 440.54MHz Atten -82.243dB

Marker 1A Freq 360.42MHz Ret Loss -0.329dB  
 Marker 2A Freq 260.25MHz Ret Loss -37.044dB  
 Marker 3A Freq 340.38MHz Ret Loss -30.797dB  
 Marker 4A Freq 360.42MHz Ret Loss -0.329dB