



# 387.3 MHz LC Band Pass Filter



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

**Part Number: AE387B10857**

## Electrical Specifications

**Center Frequency:** 387.3 MHz  
**Passband:** 374.5-400.5 MHz  
**Insertion Loss:** 3.0 dB Max  
**Return Loss:** 15 dB Min  
**Rejection:** 50 dB @ 340 MHz  
50 dB @ 450 MHz  
**Power Handling:** 10 Watts Max

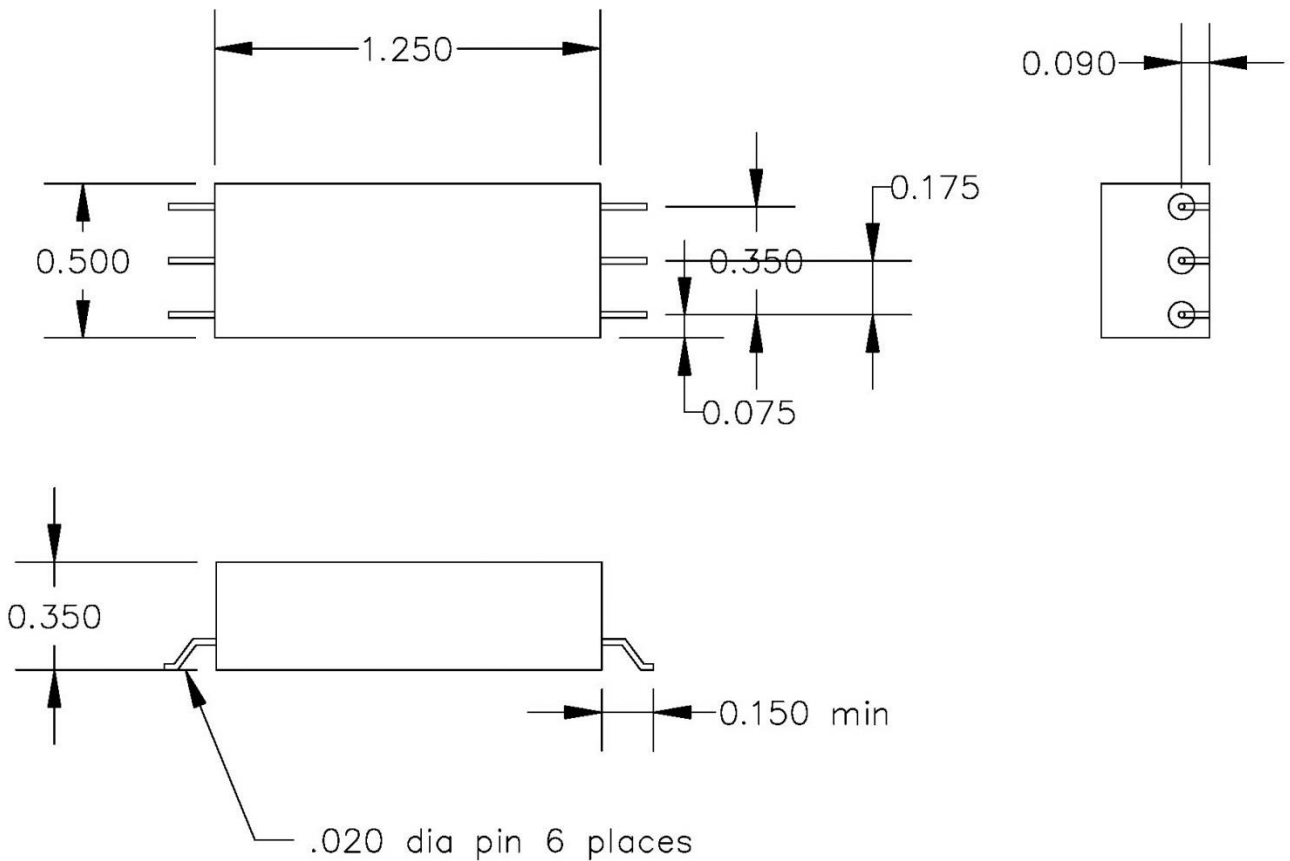
## Mechanical

**Connector Type:** Surface Mount Pins  
**Dimensions:** 1.25 x 0.5 x 0.35 Inches

## Environmental

**Operating Temperature:** -45 to +85° C  
**Storage Temperature:** -65 to +95° C

### Outline Drawing:



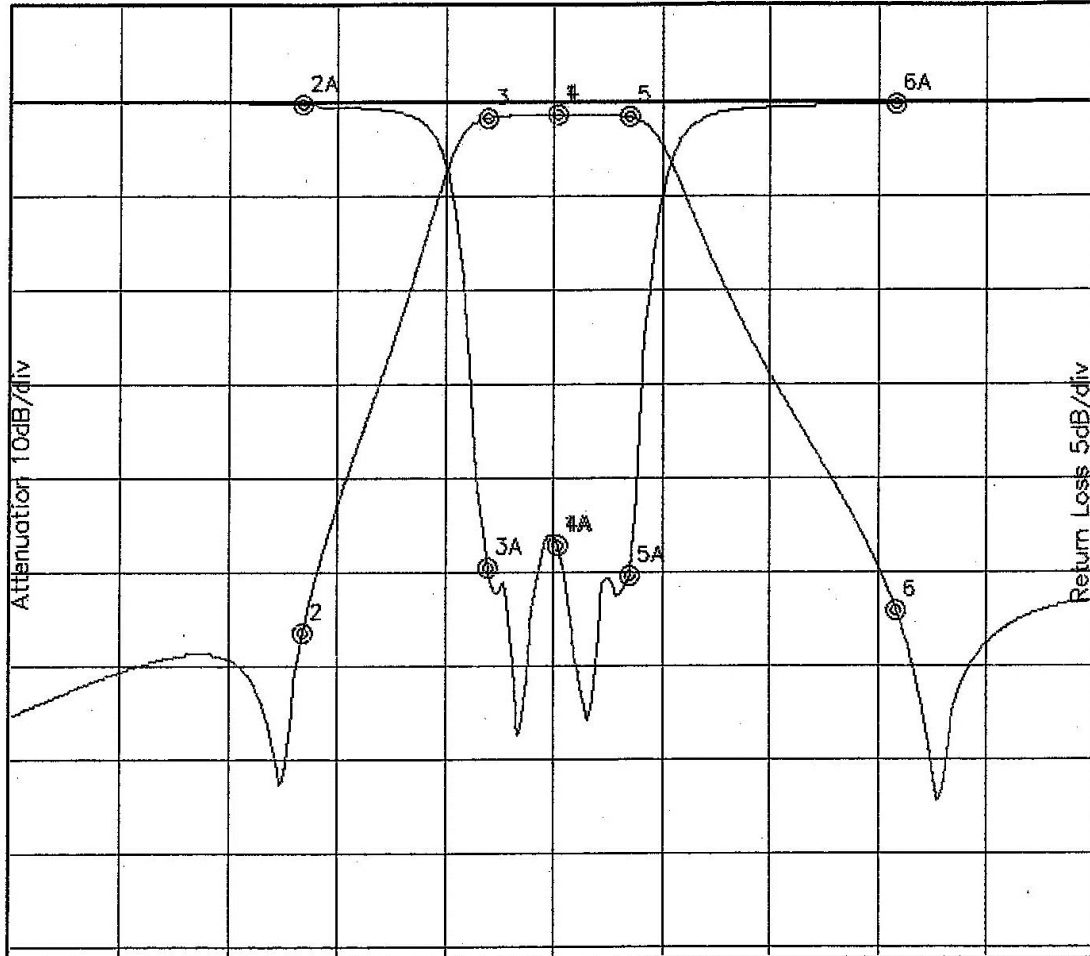


### Response Plot:

A231.lad

APR 23, 2011

Attenuation/Return Loss



Attenuation Start: 287.0MHz Stop: 487.0MHz

Return Loss Start: 287.0MHz Stop: 487.0MHz

Marker 1 Freq 387.48MHz Atten -1.223dB  
 Marker 2 Freq 340.31MHz Atten -56.280dB  
 Marker 3 Freq 374.56MHz Atten -1.661dB  
 Marker 4 Freq 387.48MHz Atten -1.223dB  
 Marker 5 Freq 400.73MHz Atten -1.560dB  
 Marker 6 Freq 450.16MHz Atten -53.834dB

Marker 1A Freq 387.48MHz Ret Loss -23.496dB  
 Marker 2A Freq 340.31MHz Ret Loss -0.140dB  
 Marker 3A Freq 374.56MHz Ret Loss -24.633dB  
 Marker 4A Freq 387.48MHz Ret Loss -23.496dB  
 Marker 5A Freq 400.73MHz Ret Loss -25.113dB  
 Marker 6A Freq 450.16MHz Ret Loss -0.086dB