



**Electrical specifications**

**Center Frequency:** 70 MHz  
**Center Frequency Insertion Loss:** 4 dB max.  
**Input / Output Impedance:** 50 Ohms  
**1 dB Passband Bandwidth:** 10 MHz  
**Passband Return Loss:** 12 dB min.  
**Rejection:** 50 dBc from 0 MHz to 57 MHz  
**Rejection 2:** 50 dBc min from 83 MHz to 500 MHz  
**Power Handling:** 30 dBm

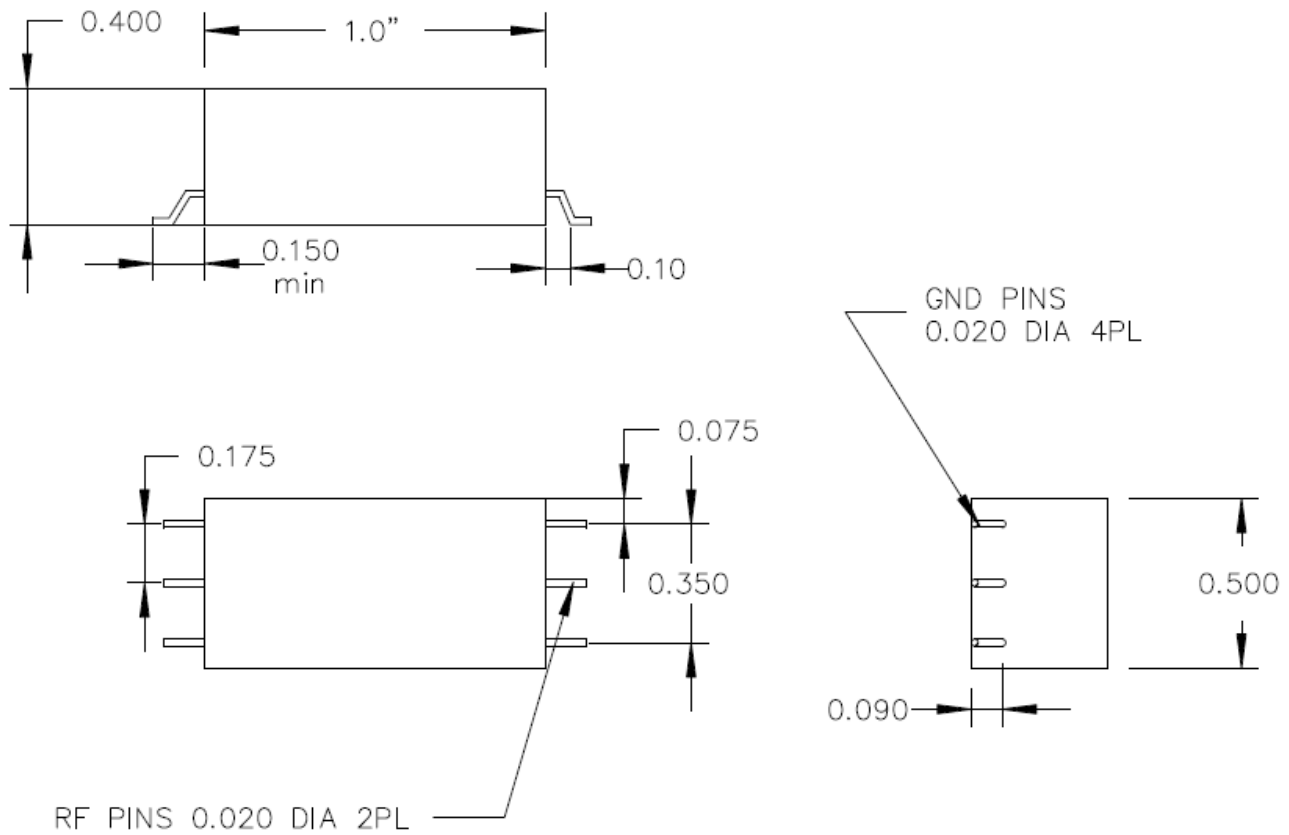
**Mechanical**

**Dimensions:** 1 x 0.5 x 0.4 inches

**Environmental**

**Operating Temperature:** -45 to +85 deg.C  
**Storage Temperature:** -55 to +95 deg.C  
**Shock:** 20 G. 11ms  
**Vibration:** 20 G. 5 to 200 MHz

**Outline Drawing:**





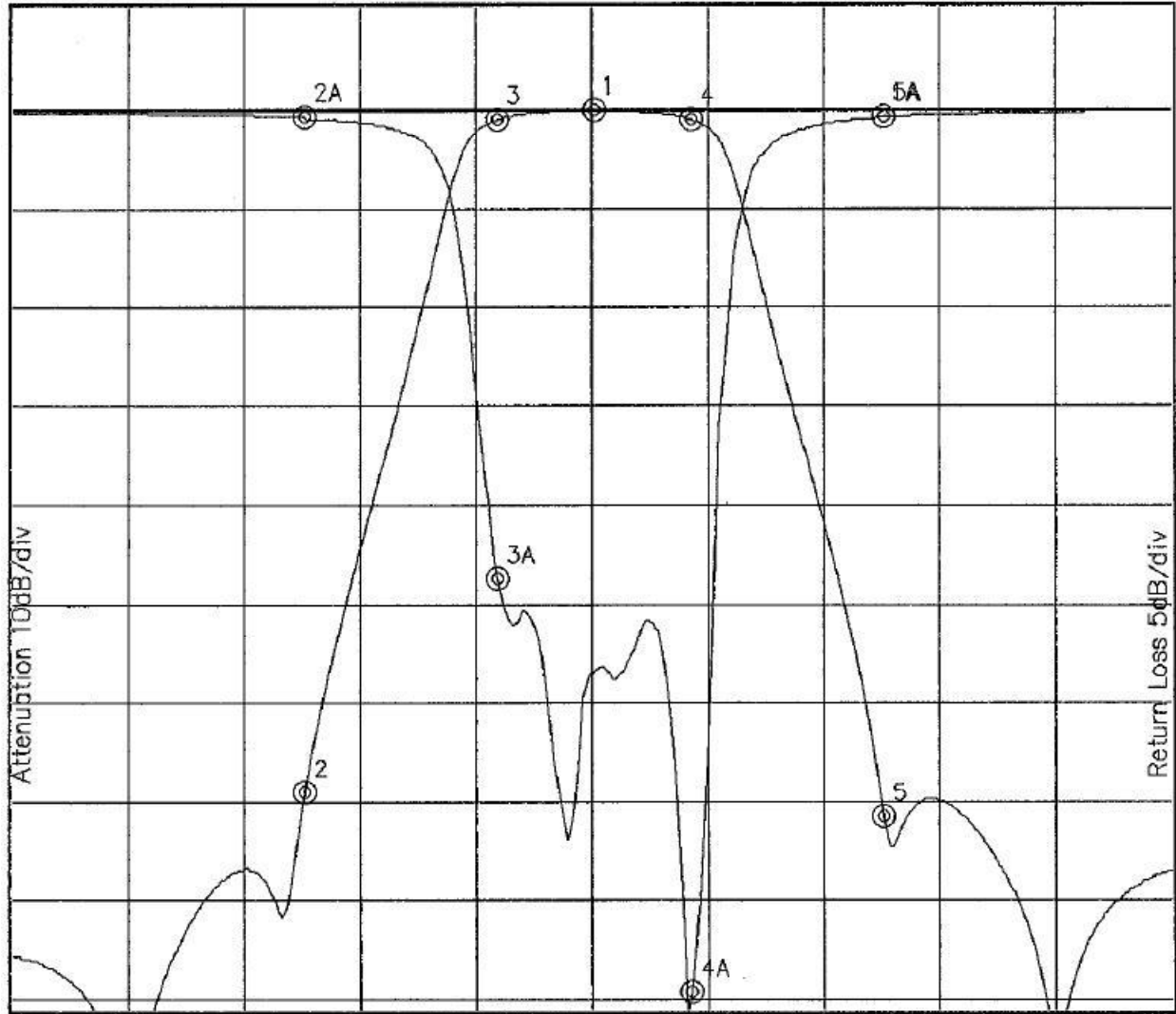
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 70 MHz Bandpass Filter

## Part Number: AE70B10901



### Response Plot:



Attenuation Start: 40.0MHz Stop: 100.0MHz

Return Loss Start: 40.0MHz Stop: 100.0MHz

Offset -2.3913dB

Marker 1 Freq 70.048MHz Atten 0.037dB  
 Marker 2 Freq 55.024MHz Atten -68.801dB  
 Marker 3 Freq 65.008MHz Atten -0.929dB  
 Marker 4 Freq 75.089MHz Atten -0.932dB  
 Marker 5 Freq 85.073MHz Atten -71.024dB

Marker 1A Freq 85.073MHz Ret Loss -0.347dB  
 Marker 2A Freq 55.024MHz Ret Loss -0.376dB  
 Marker 3A Freq 65.008MHz Ret Loss -23.557dB  
 Marker 4A Freq 75.089MHz Ret Loss -44.434dB  
 Marker 5A Freq 85.073MHz Ret Loss -0.347dB