



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

## 30 MHz LC Bandpass Filter

Part Number: AE30B6400



### Electrical Specifications

**Center Frequency:** 30 MHz  
**3-dB Bandwidth :** >1.2 MHz  
**Insertion Loss:** <5.5 dB  
**Impedance:** 50 Ohms  
**VSWR:** 1.5:1  
**Lower Rejection:** > 50 dB at 26 MHz  
**Higher Rejection:** >50 dB at 34 MHz

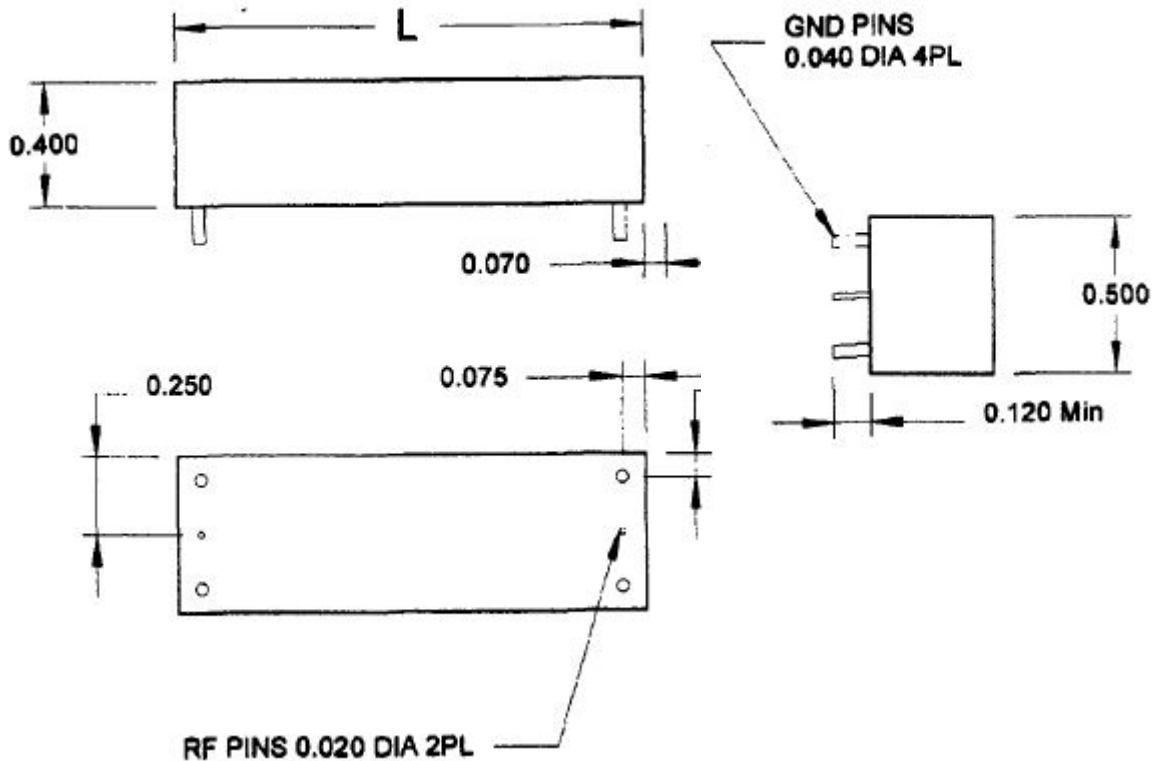
### Mechanical

**Connector Type:** PC-Mount  
**Dimensions:** 1" X 0.5" x 0.4" in.

### 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:





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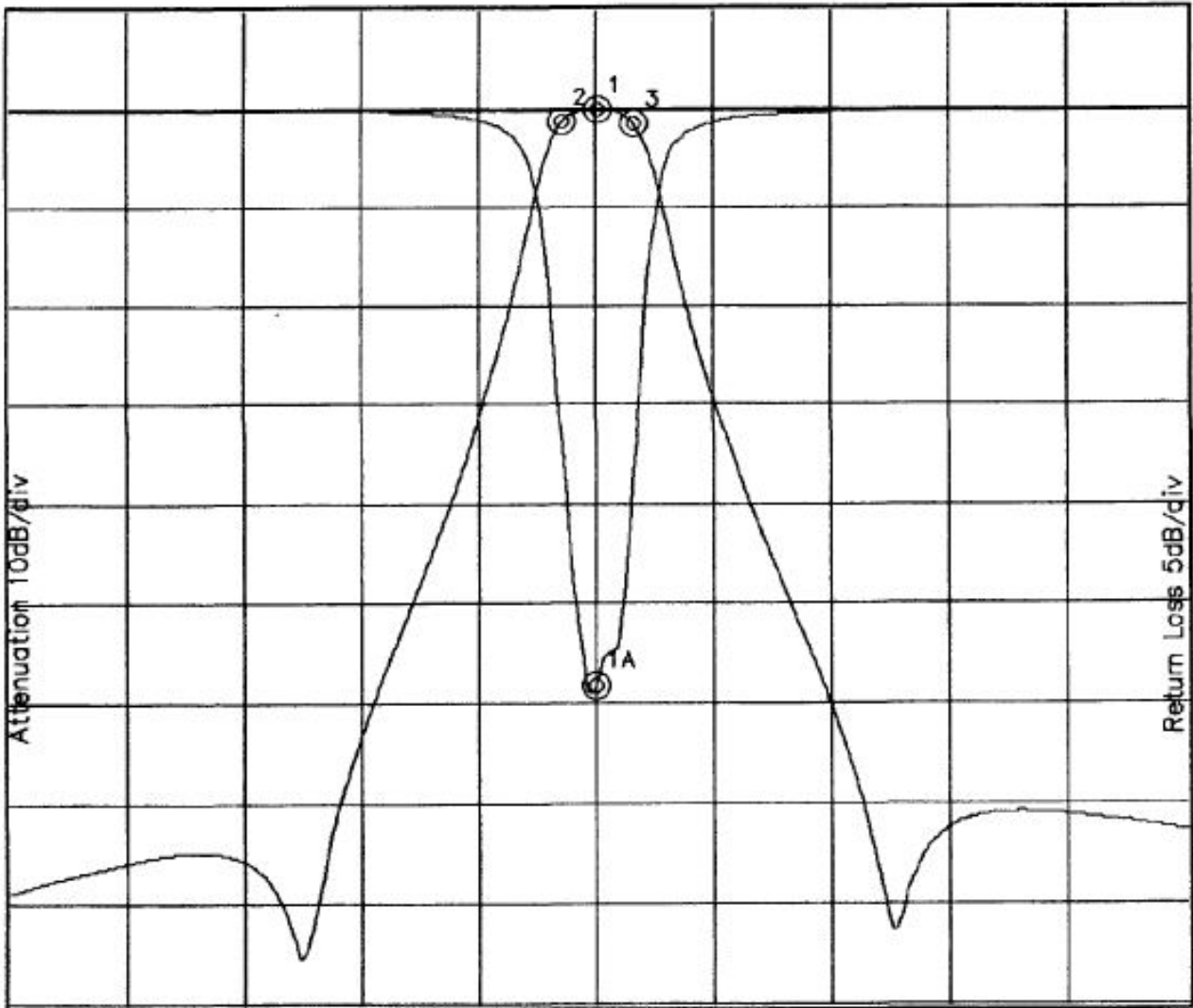
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## Response Plot:

A0677

Attenuation/Return Loss



Attenuation Start: 20.0MHz Stop: 40.0MHz

Return Loss Start: 20.0MHz Stop: 40.0MHz

Offset -4.3478dB

Marker 1 Freq 30.016MHz Atten -0.074dB

Marker 1A Freq 29.984MHz Ret Loss -29.345dB

Marker 2 Freq 29.402MHz Atten -1.262dB

Marker 3 Freq 30.630MHz Atten -1.564dB