



**Electrical specifications**

**Center Frequency:** 451.5 MHz  
**Bandwidth:** 5 MHz  
**Input / Output Impedance:** 50 Ohms  
**Passband:** 449-454 MHz  
**Passband Insertion Loss:** 1 dB  
**VSWR (input and output):** 1.5:1  
**Rejection:** 50 dB @ 320 MHz  
**Rejection 2:** 70 dB @ 900 MHz  
**Power Handling:** 10 Watts

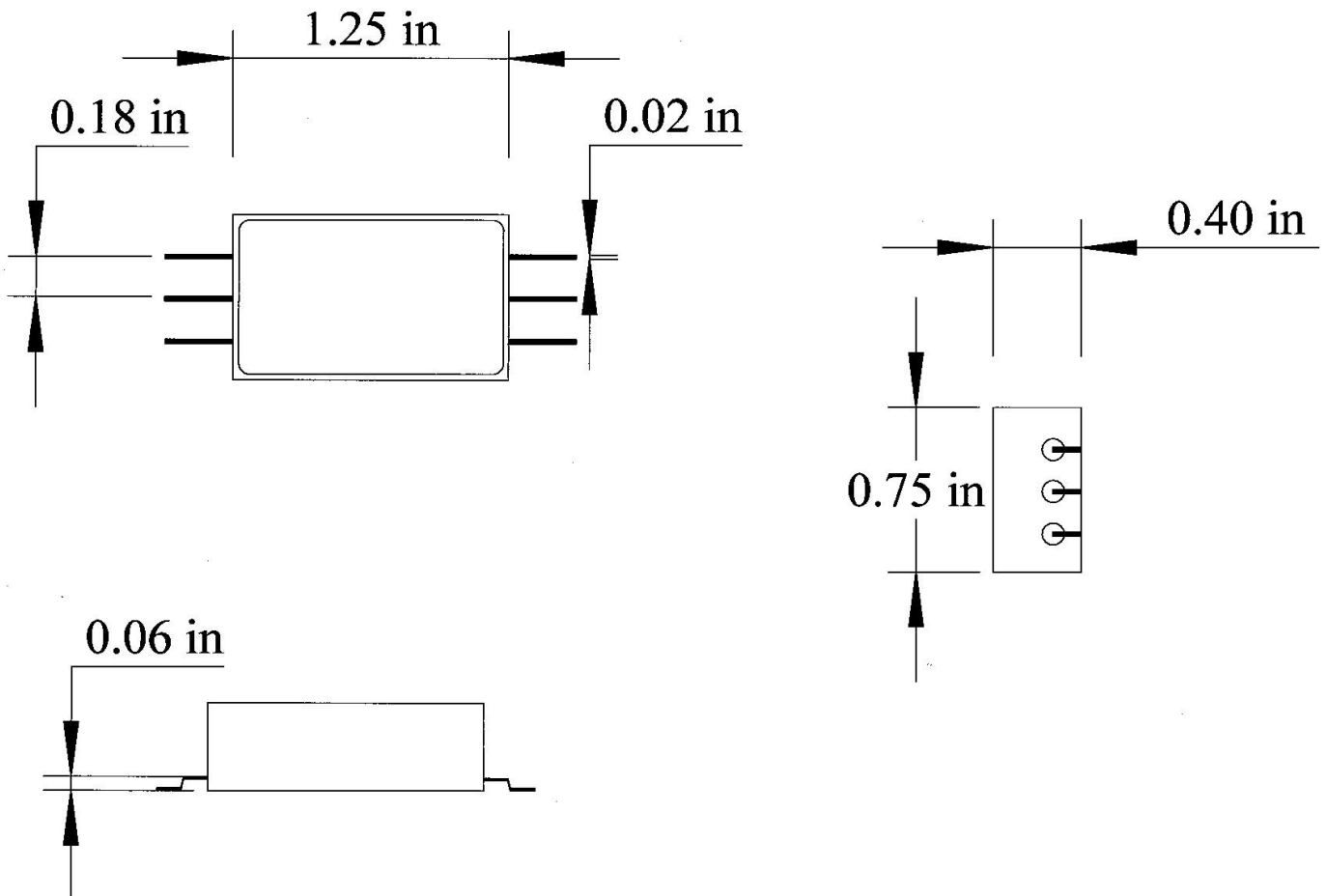
**Mechanical**

**Dimensions:** 1.25 x 0.75 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:**



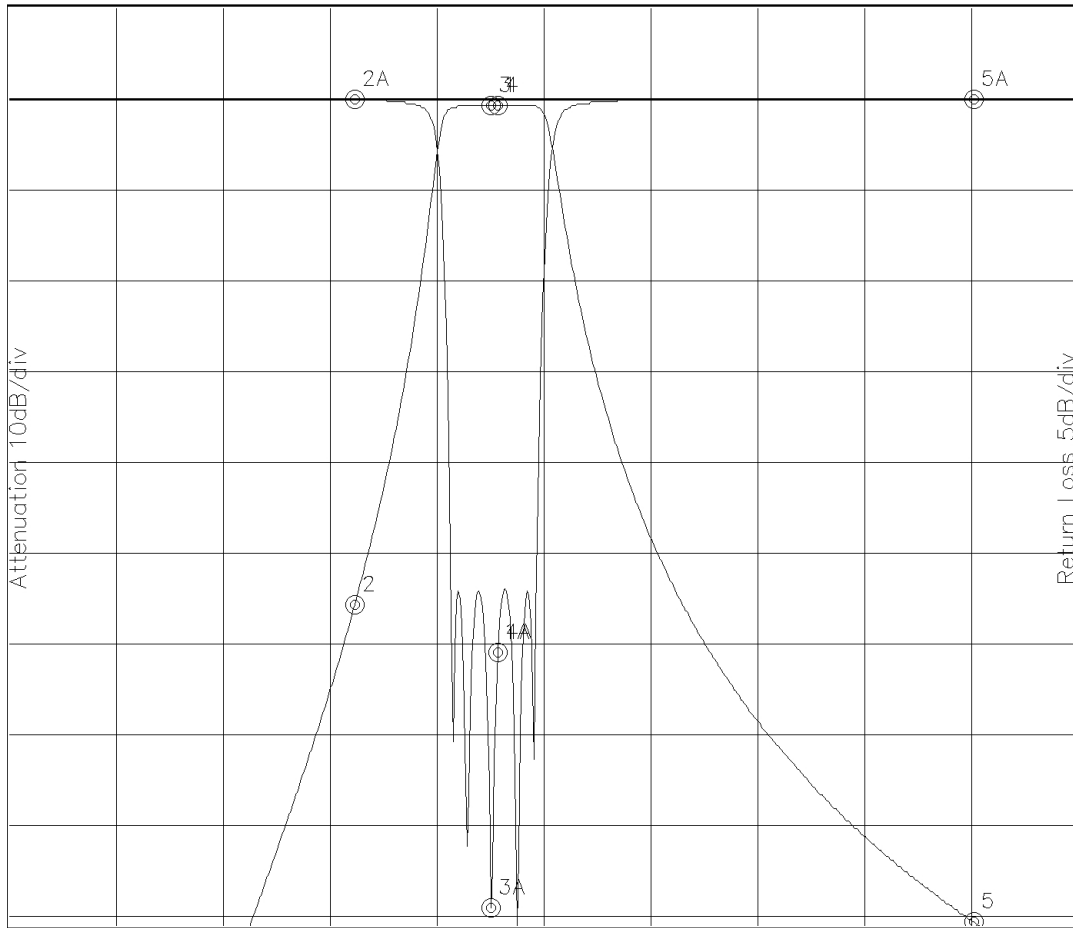


**Response Plot:**

A518.lad

FEB 6, 2012

Attenuation/Return Loss



Attenuation Start: 0.10Hz Stop: 1000.0MHz

Return Loss Start: 0.10Hz Stop: 1000.0MHz

Marker 1 Freq 455.57MHz Atten -0.558dB  
 Marker 2 Freq 321.48MHz Atten -55.492dB  
 Marker 3 Freq 449.11MHz Atten -0.559dB  
 Marker 4 Freq 455.57MHz Atten -0.558dB  
 Marker 5 Freq 901.45MHz Atten -90.320dB

Marker 1A Freq 455.57MHz Ret Loss -30.296dB  
 Marker 2A Freq 321.48MHz Ret Loss 0.000dB  
 Marker 3A Freq 449.11MHz Ret Loss -44.344dB  
 Marker 4A Freq 455.57MHz Ret Loss -30.296dB  
 Marker 5A Freq 901.45MHz Ret Loss 0.000dB