



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

## 1060-1310 MHz Bandpass Filter

**Part Number: AE1185B10505**



### Electrical Specifications

**Center Frequency:** 1060-1310 MHz  
**Bandwidth:** 250 MHz  
**Impedance:** 50 Ohms  
**Return loss:**  $\geq 14$  dB @ 1060-1003 MHz  
**Return loss:**  $> 12$  dB @ 1310 MHz  
**Rejection :**  $> 30$  dB @ 1590 MHz  
**Insertion loss:**  $\leq 1.0$  dB @ 1060-1003 MHz  
**Insertion loss:**  $< 1.25$  dB @ 1312 MHz

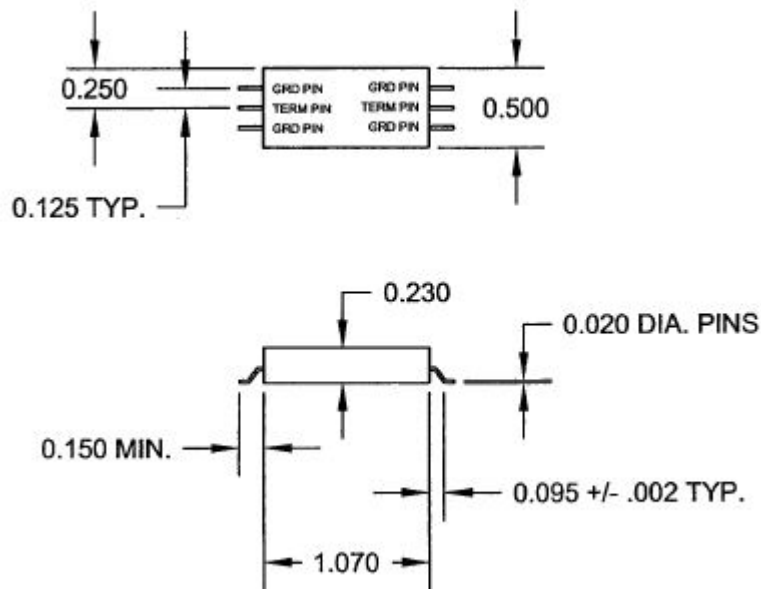
### Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** Surface Mount  
**Dimensions:** 1.070" X 0.5" x 0.230" in.

### 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:





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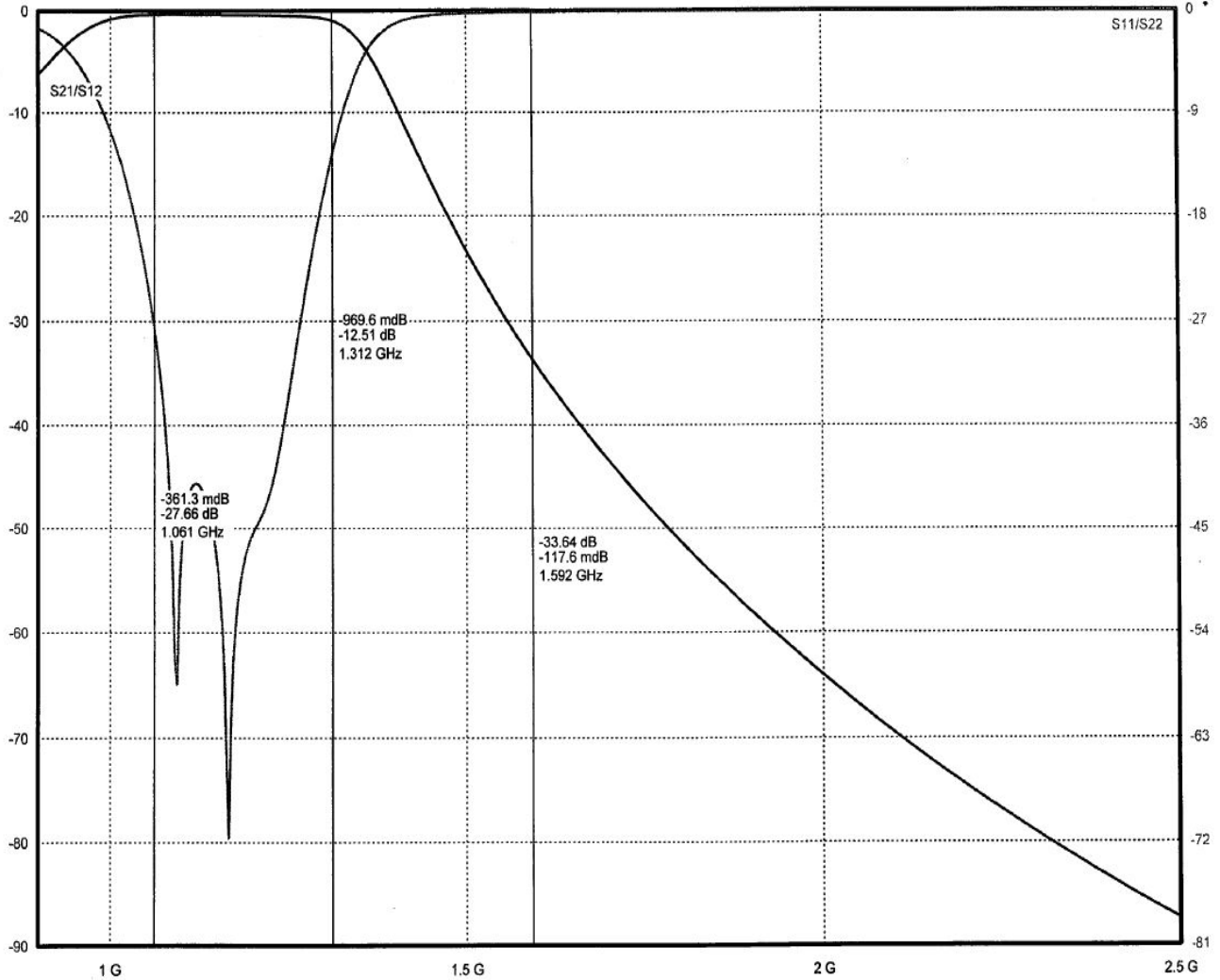
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## Response Plot:

Lumped Filter S Parameters



4th Order Band Pass Chebyshev I

Frequency (Hz)

Thu Apr 15 09:02 2010