



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

## 55 MHz LC Bandpass Filter

**Part Number: AE55B5308**



### Electrical Specifications

**Center Frequency:** 55 MHz  
**3dB Bandwidth:** >15 MHz  
**Insertion Loss:** <1.5dB  
**Return Loss:** >14.0dB  
**Ripple:** <0.1dB  
**Rejection:** ≥70dB @ 110 MHz  
**Impedance:** 50 Ohms

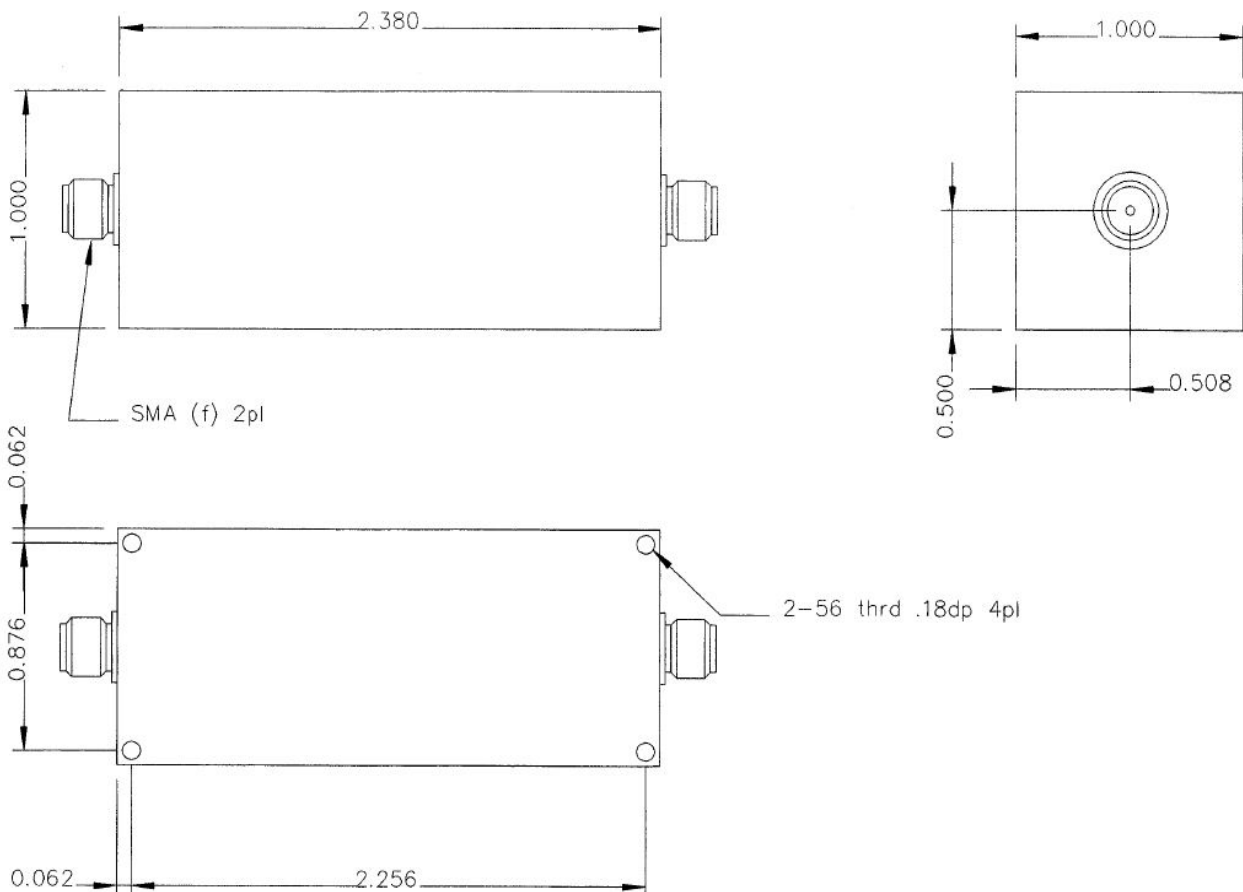
### Mechanical

**Mounting Method:** Threaded Mounting Holes  
**Connector Type:** SMA(F)  
**Dimensions:** 2.380" x 1.0" x 1.0" in.

### Environmental

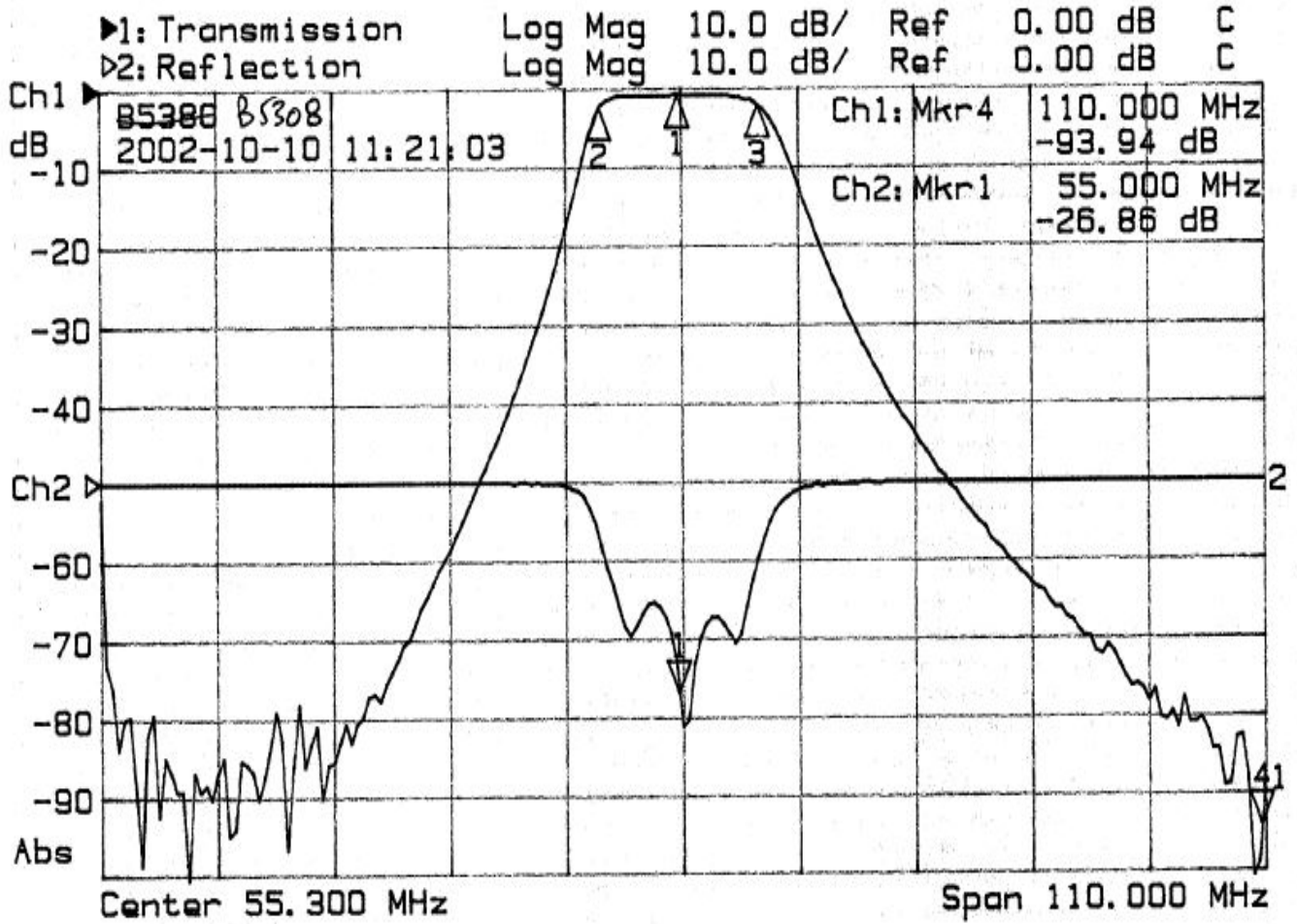
**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





**Response Plot:**



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 55.00	-0.82	1> 55.00	-26.86
2: 47.50	-2.59		
3: 62.50	-2.25		
4> 110.00	-93.94		