



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

## 45 MHz LC Band Pass Filter

**Part Number: AE45B6338**



### Electrical Specifications

**Center Frequency:** 45 MHz  
**Passband:** 37-53 MHz  
**Insertion Loss:** 2.0dB Max @ 45 MHz  
**Return Loss:** 14dB Min.  
**Ripple:** 0.1dB Max.  
**Rejection:**  $\geq 30$ dB @ 30 MHz  
**Rejection2:**  $\geq 60$ dB @ 23 MHz  
**Rejection3:**  $\geq 30$ dB @ 60 MHz  
**Rejection4:**  $\geq 60$ dB @ 67 MHz

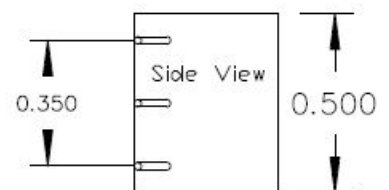
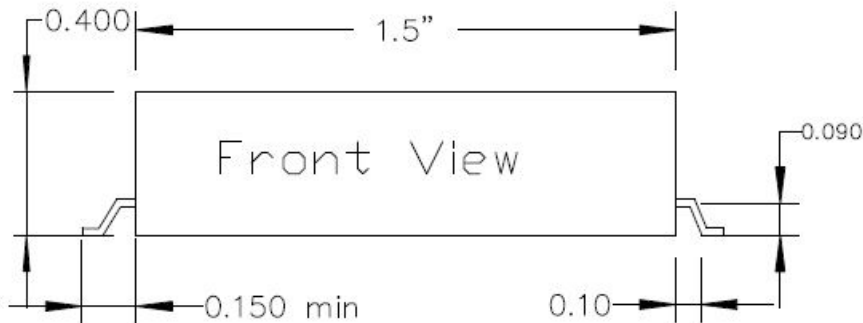
### Mechanical

**Connector Type:** SMT  
**Dimensions:** 1.5" X 0.5" x 0.4" .

### Environmental

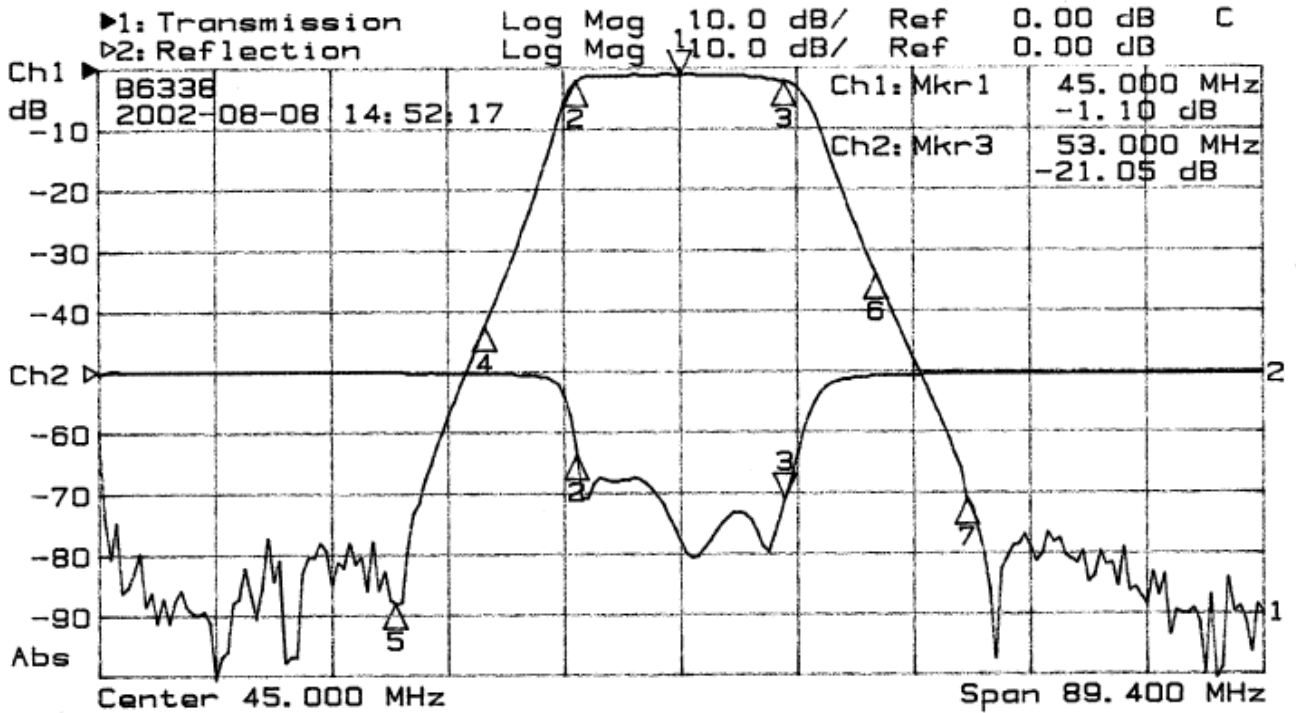
**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





**Response Plot:**



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 45.00	-1.10		
2: 37.00	-2.15	2: 37.00	-13.66
3: 53.00	-2.26	3> 53.00	-21.05
4: 30.00	-42.38		
5: 23.00	-88.12		
6: 60.00	-34.08		
7: 67.00	-71.30		