



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

## 50 MHz LC Band Pass Filter

**Part Number: AE50B5785**



### Electrical Specifications

**Center Frequency:** 50 MHz  
**3.0dB Passband:** 48.5-51.5 MHz  
**Insertion Loss:** 6.0dB Max.  
**Return Loss:** 14dB Min.  
**Rejection:**  $\geq 45$  dB @ 44 MHz  
**Rejection2:**  $\geq 45$  dB @ 56 MHz

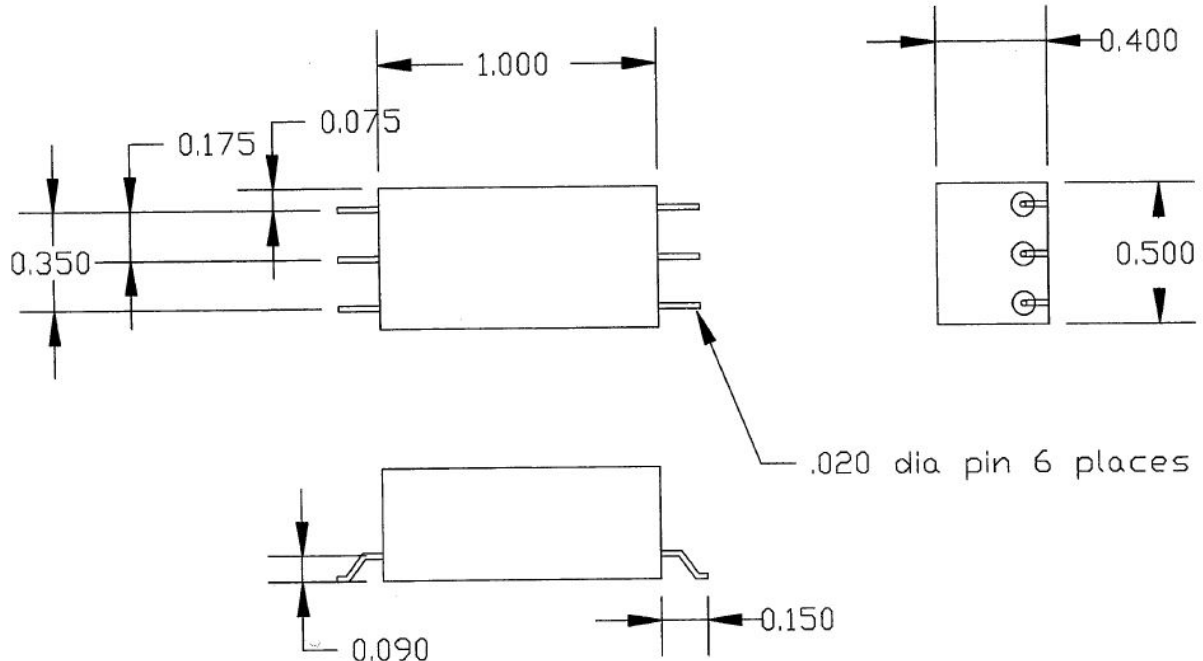
### Mechanical

**Connector Type:** SMT  
**Dimensions:** 1.0" 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:





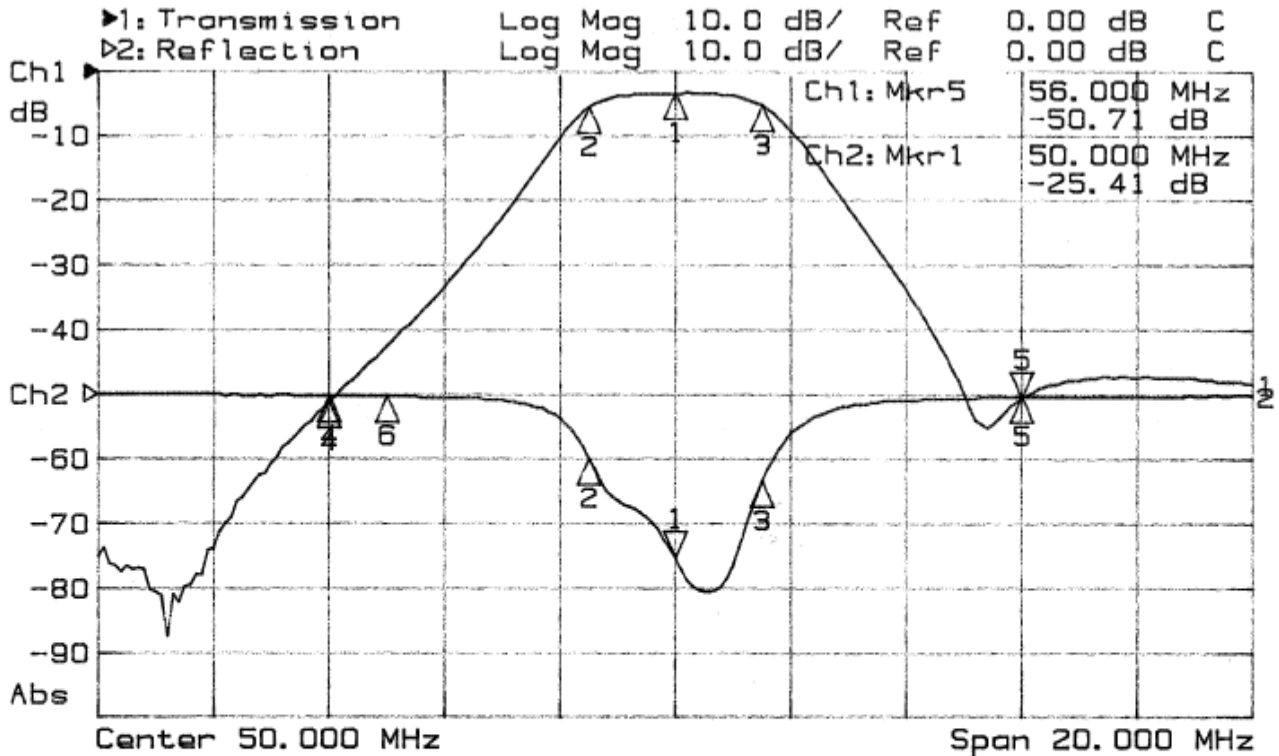
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## Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1: 50.00	-3.29	1> 50.00	-25.41
2: 48.50	-5.59	2: 48.50	-9.88
3: 51.50	-5.45	3: 51.50	-13.56
4: 44.00	-51.35	4: 44.00	-0.24
5> 56.00	-50.71	5: 56.00	-0.36
		6: 45.00	-0.31