



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

## 48 MHz LC Band Pass Filter

**Part Number: AE48B5786**



### Electrical Specifications

**Center Frequency:** 48 MHz

**Passband:** 47.25-48.75 MHz

**Insertion Loss:** 6.0dB Max.

**Return Loss:** 14dB Min.

**Rejection:**  $\geq 40$  dB @ 40 MHz

**Rejection2:**  $\geq 40$  dB @ 56 MHz

### Mechanical

**Connector Type:** SMT

**Dimensions:** 1.0" X 0.5" x 0.4" .

### Environmental

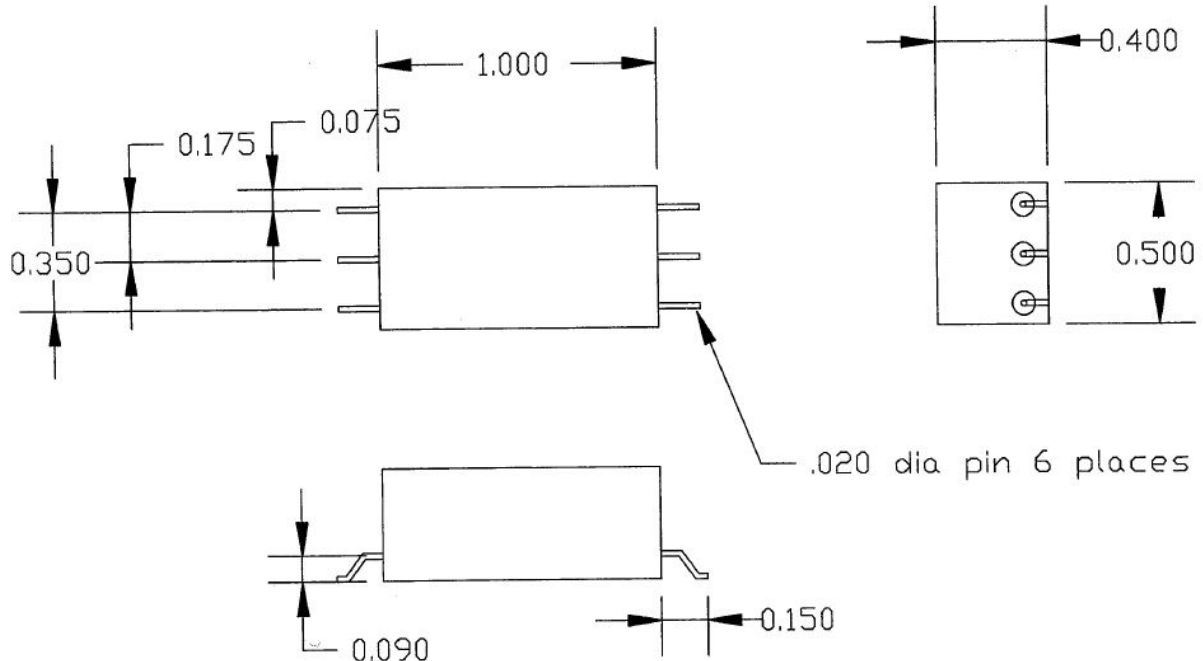
**Operating Temperature:** -25°C to +70°C

**Storage Temperature:** -40°C to +90°C

**Shock:** 10 G. 11ms

**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





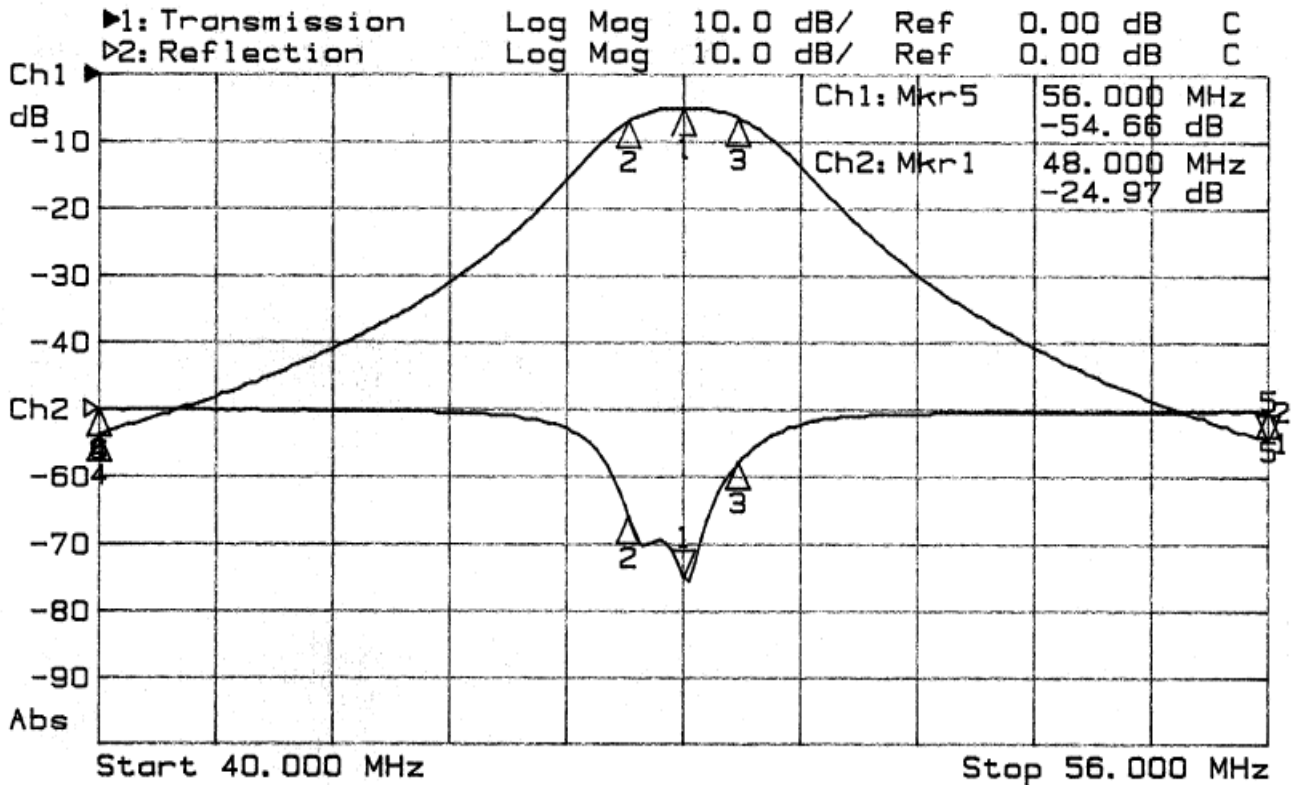
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## Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB		
1:	48.00	-4.86	1>	48.00	-24.97
2:	47.25	-6.85	2:	47.25	-16.08
3:	48.75	-6.49	3:	48.75	-7.91
4:	40.00	-53.74	4:	40.00	-0.13
5>	56.00	-54.66	5:	56.00	-0.14
			6:	40.00	-0.13