



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

## 9.791 MHz LC Bandpass Filter

**Part Number: AE9.791B6650**



### Electrical Specifications

**Center Frequency:** 9.791 MHz  
**0.5-dB Bandwidth:** 9.791 MHz to 10.191 MHz  
**Insertion Loss:** <3 dB  
**VSWR:** 1.5:1  
**Impedance:** 50 Ohms  
**Rejection:** > 20 dB @ 8.81 MHz  
**Rejection:** > 20 dB @ 10.77 MHz  
**Rejection:** > 40 dB @ 6.85 MHz  
**Rejection:** > 40 dB @ 12.73 MHz  
**Rejection:** > 50 dB @ 5.87 MHz  
**Rejection:** > 50dB @ 14.68 MHz

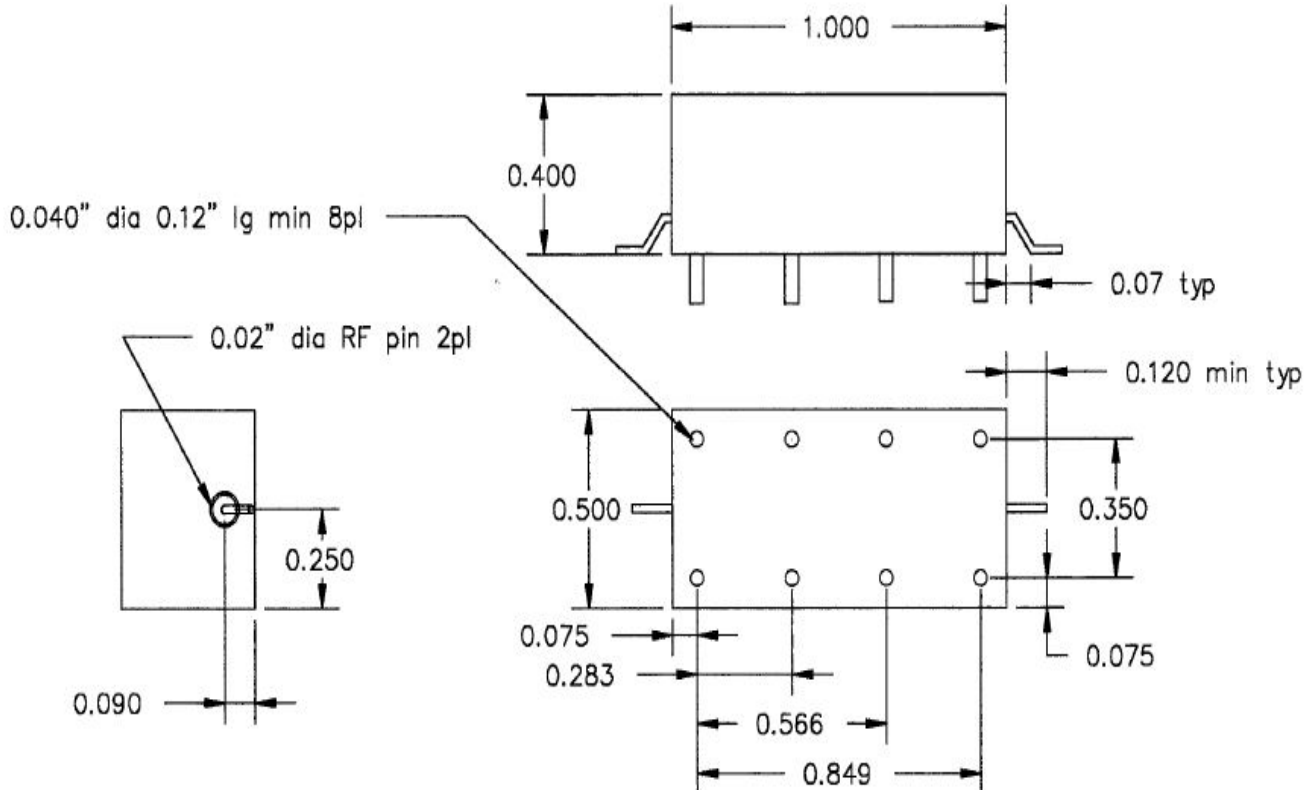
### Mechanical

**Mounting Method:** Surface Mount  
**Connector Type:** SMT 0.02" Rf input pins  
**Dimensions:** 1.00" X 0.5" x 0.4" in.

### Environmental

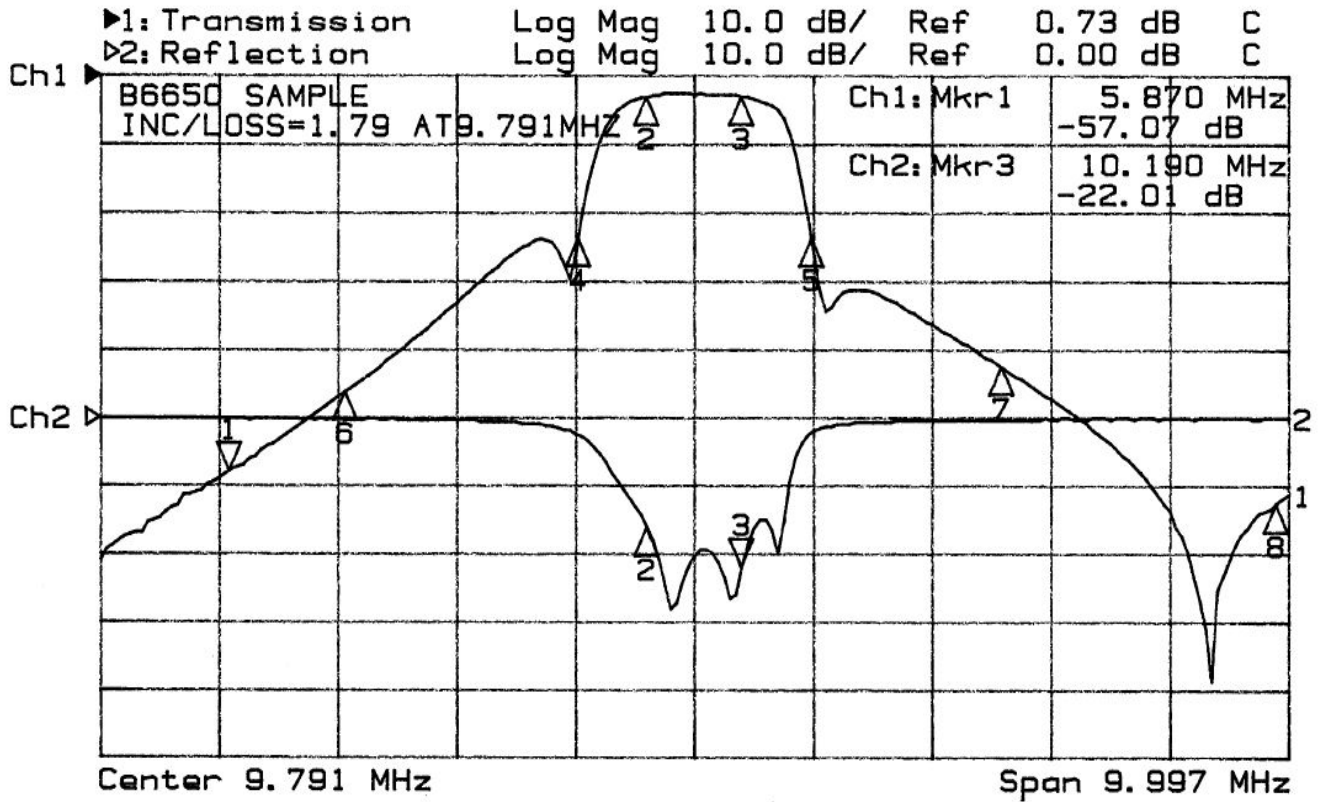
**Operating Temperature:** -25°C to +70°C  
**Storage Temperature:** -40°C to +90°C  
**Shock:** 10 G. 11ms  
**Vibration:** 10 G. 5 to 200Hz

### Outline Drawing:





**Response Plot:**



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 5.87	-57.07		
2: 9.39	-2.28	2: 9.39	-16.11
3: 10.19	-2.33	3> 10.19	-22.01
4: 8.81	-23.18		
5: 10.77	-22.90		
6: 6.85	-45.48		
7: 12.37	-41.84		
8: 14.68	-62.03		