



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

40.5 MHz LC Bandpass Filter

Part Number: AE40.5B9797



Electrical Specifications

Center Frequency: 40.5 MHz
Bandwidth: 3 MHz
Passband : 39 MHz to 42 MHz
Insertion Loss: ≤ 2 dB
Return Loss: >15 dB @ 39 MHz to 42 MHz
Rejection: >40 dB @ 0-20.5 MHz
Rejection2: >40 dB @ 60.5 MHz to 1000 MHz
Impedance: 50 Ohms
Power Handling: 2 Watts

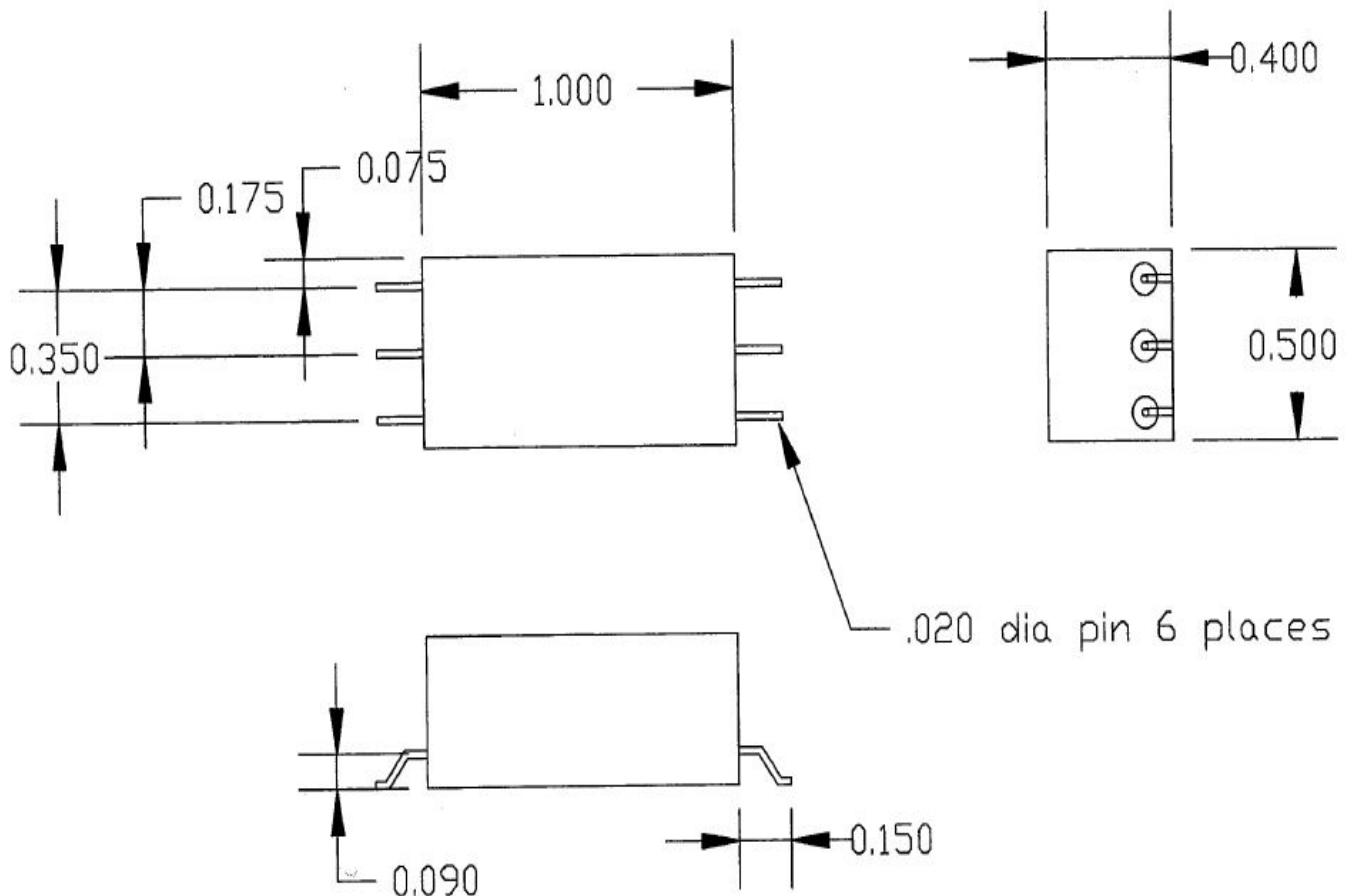
Mechanical

Connector Type: Surface Mount
Dimensions: 1.0" x 0.5" x 0.4" in.

Environmental

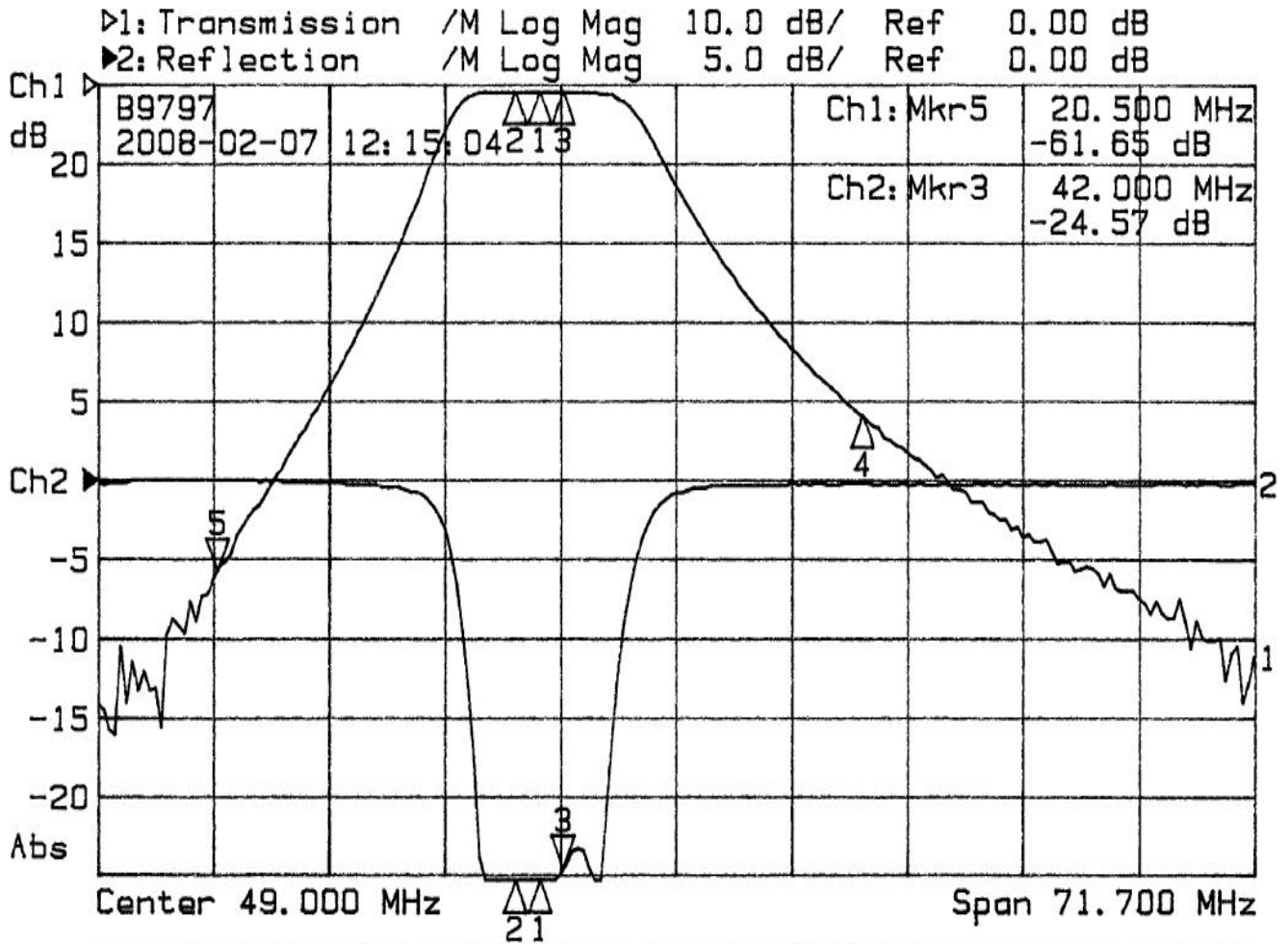
Operating Temperature: -25°C to $+70^{\circ}\text{C}$
Storage Temperature: -40°C to $+90^{\circ}\text{C}$
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:






Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB		
1:	40.50	-0.83	1:	40.50	-26.97
2:	39.00	-0.82	2:	39.00	-29.89
3:	42.00	-0.88	3>	42.00	-24.57
4:	60.50	-41.99			
5>	20.50	-61.65			

 (AE E2)