



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

4.5 MHz LC Bandpass Filter

Part Number: AE4.5B10037



Electrical Specifications

Center Frequency: 4.5 MHz
Bandwidth: 0.5 MHz
Passband : 4.25 MHz to 4.75 MHz
Insertion Loss: $\leq 2.5\text{dB}$ @ 4.5 MHz
Return Loss: $>15\text{dB}$ @ 4.3 MHz to 4.7 MHz
Rejection: $>45\text{dB}$ @ 0-4 MHz
Rejection2: $>45\text{dB}$ @ 5 MHz to 500 MHz
Impedance: 50 Ohms

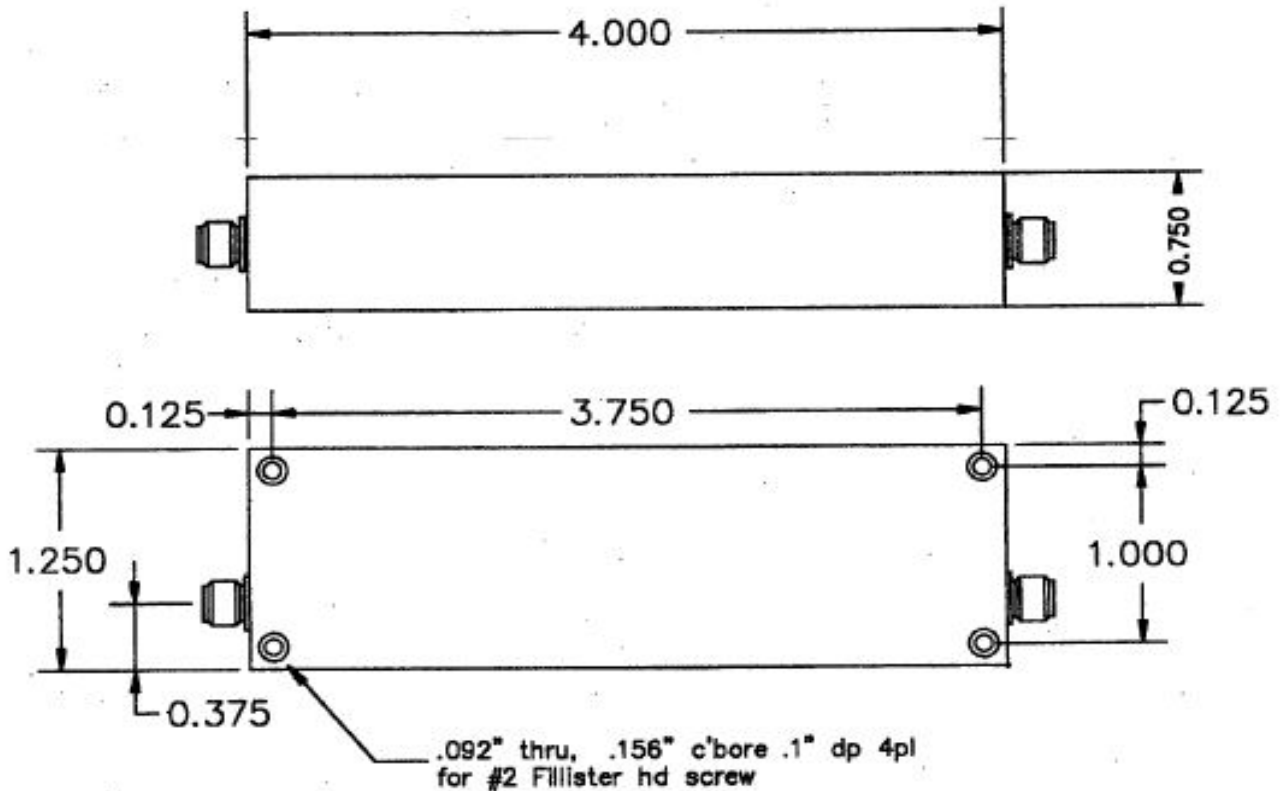
Mechanical

Mounting Method: Through Holes
Connector Type: SMA
Dimensions: 4.0" x 1.25" x 0.75" in.

Environmental

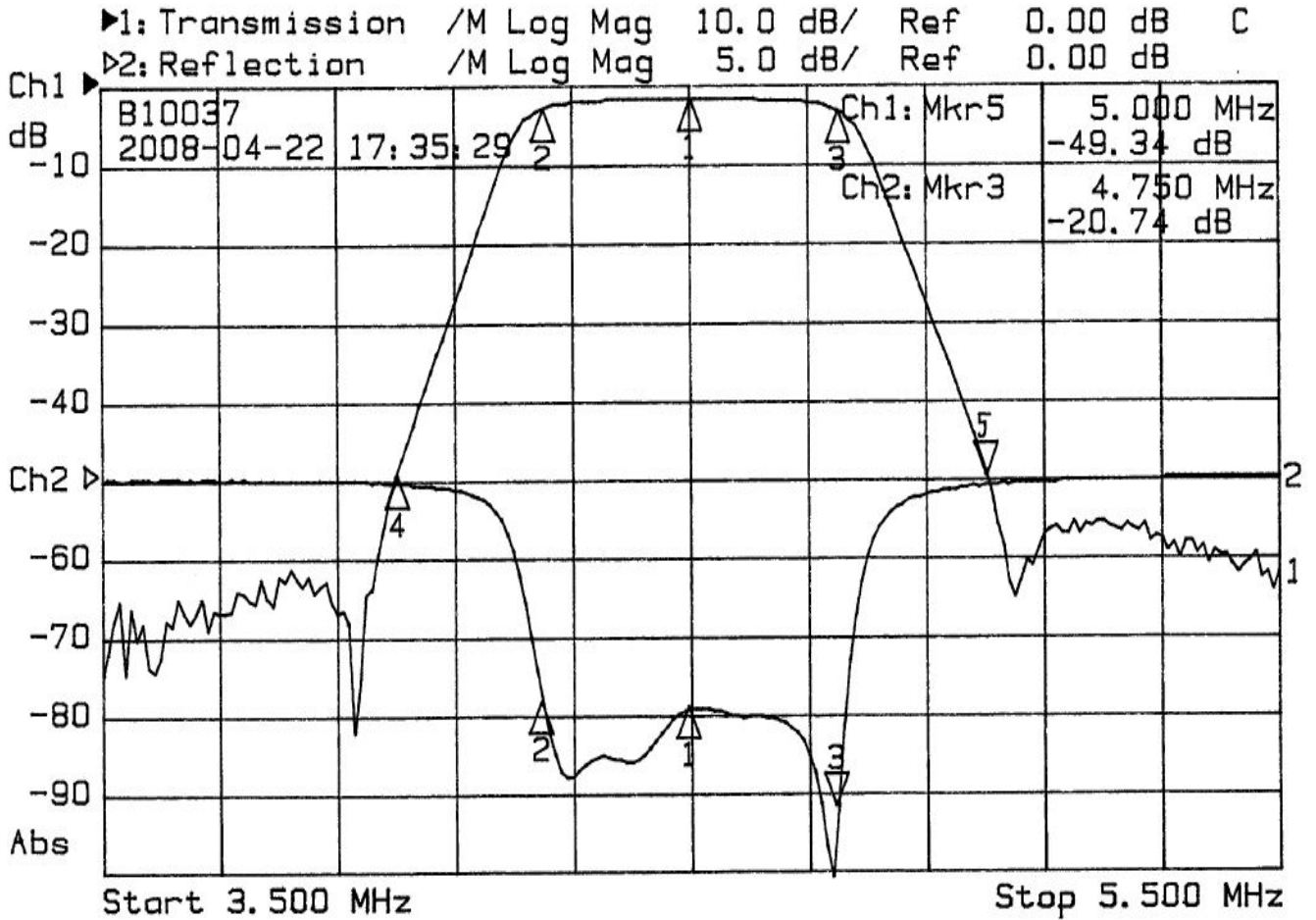
Operating Temperature: -25°C to $+70^{\circ}\text{C}$
Storage Temperature: -40°C to $+90^{\circ}\text{C}$
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:





Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB		
1:	4.50	-1.55	1:	4.50	-14.58
2:	4.25	-2.72	2:	4.25	-14.21
3:	4.75	-3.05	3>	4.75	-20.74
4:	4.00	-49.37			
5>	5.00	-48.87			

Kenneth D. Price