



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

310 MHz LC Bandpass Filter

Part Number: AE310B10009



Electrical Specifications

Center Frequency: 310 MHz
Bandwidth: 130 MHz
Passband : 231 MHz to 361 MHz
Insertion Loss: $\leq 1\text{dB}@310\text{ MHz}$
Return Loss: $>15\text{dB @ } 231\text{ MHz to } 361\text{ MHz}$
Rejection: $>60\text{dB @ } 0\text{-}100\text{ MHz}$
Rejection2: $>15\text{dB @ } 210\text{ MHz to } 216\text{ MHz}$
Rejection3: $>35\text{dB @ } 600\text{ MHz to } 5000\text{ MHz}$
Impedance: 50 Ohms

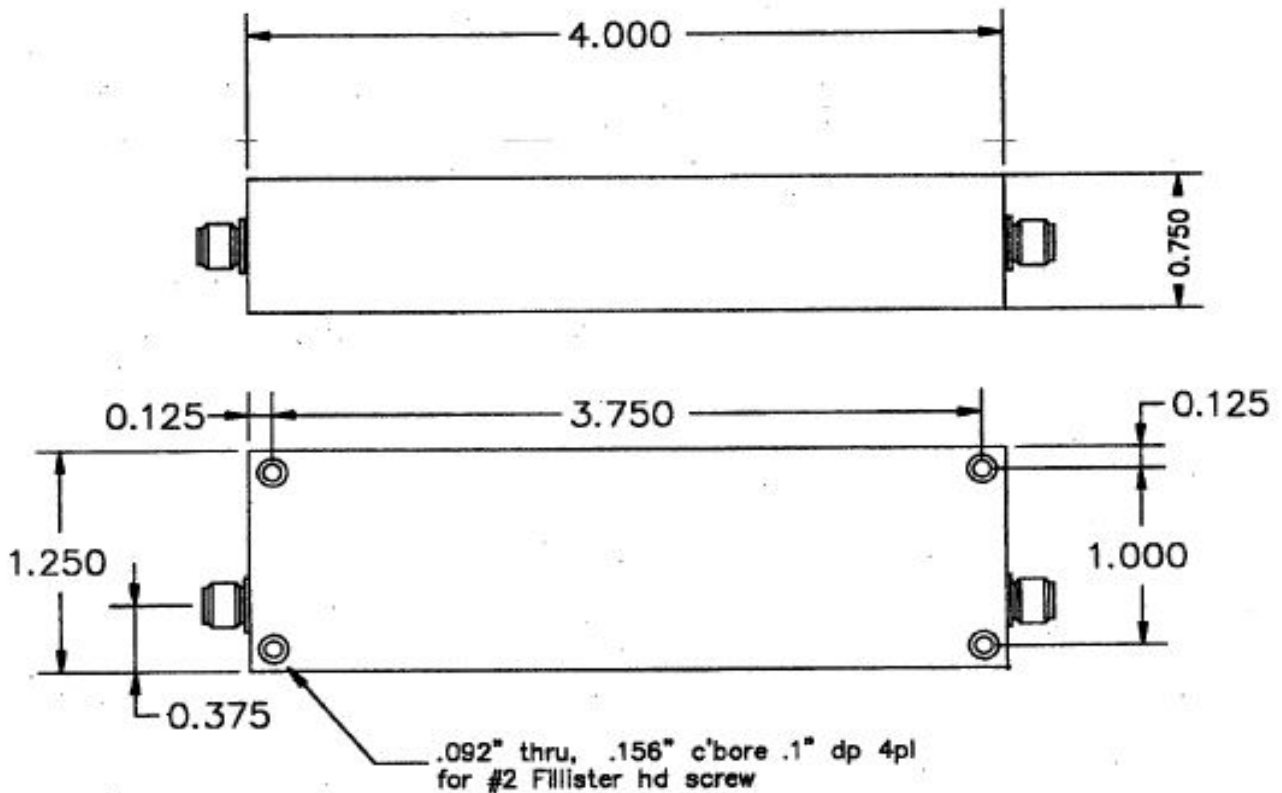
Mechanical

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

Environmental

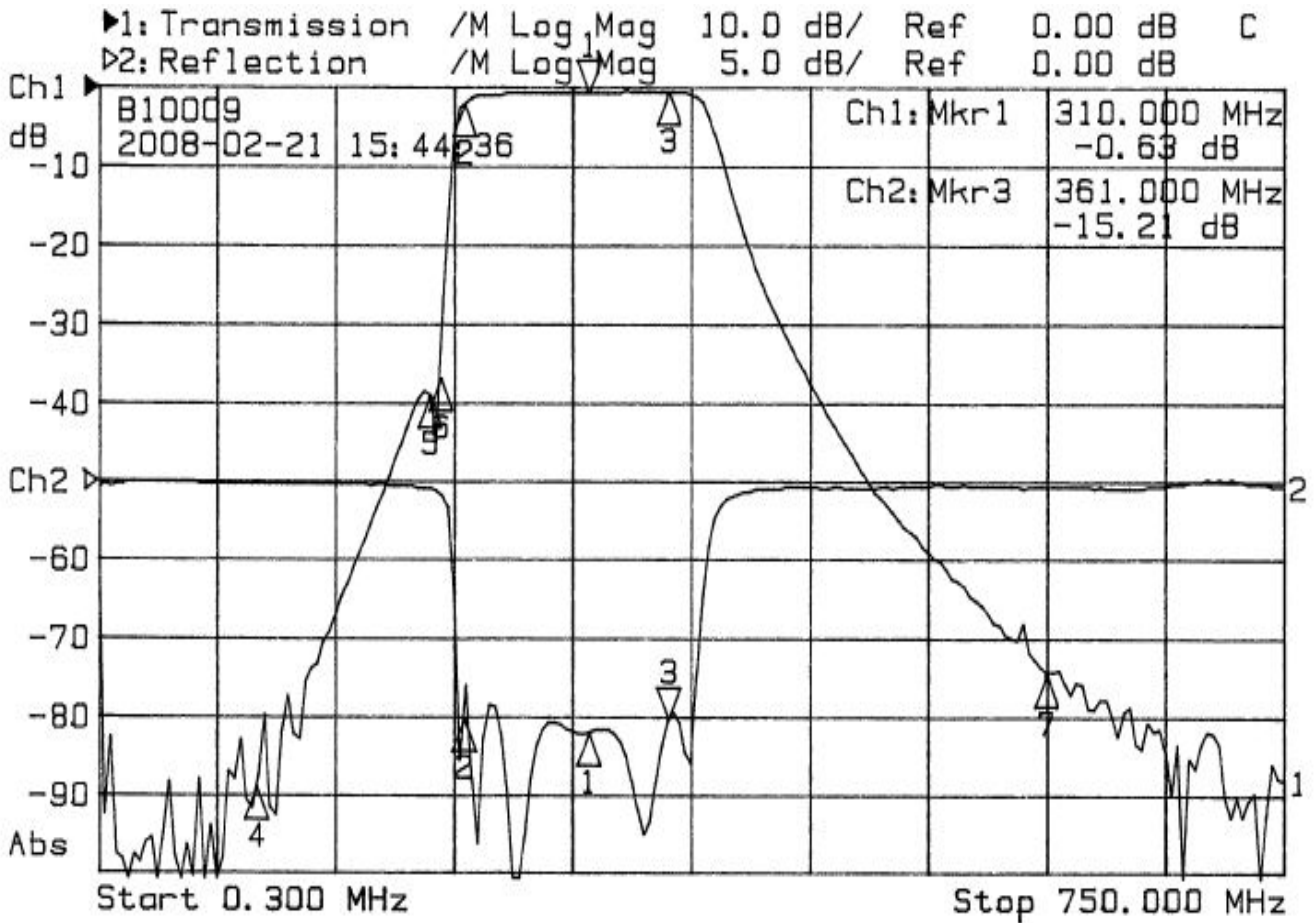
Operating Temperature: $-25^{\circ}\text{C to } +70^{\circ}\text{C}$
Storage Temperature: $-40^{\circ}\text{C to } +90^{\circ}\text{C}$
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:





Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 310.00	-0.63	1: 310.00	-16.04
2: 231.00	-2.17	2: 231.00	-15.20
3: 361.00	-0.70	3> 361.00	-15.21
4: 100.00	-89.09		
5: 210.00	-38.98		
6: 216.00	-36.91		
7: 600.00	-74.64		

