



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

500 MHz LC Bandpass Filter

Part Number: AE500B10230



Electrical Specifications

Center Frequency: 500 MHz
Bandwidth: 500 MHz
Passband : 250 MHz to 750 MHz
Insertion Loss: $\leq 2.0\text{dB}$ @ 500 MHz
Return Loss: $>15\text{dB}$ @ 250 MHz to 750 MHz
Rejection: $>30\text{dB}$ @ 0-175 MHz
Rejection2: $>30\text{dB}$ @ 825 MHz to 4000 MHz
Impedance: 50 Ohms

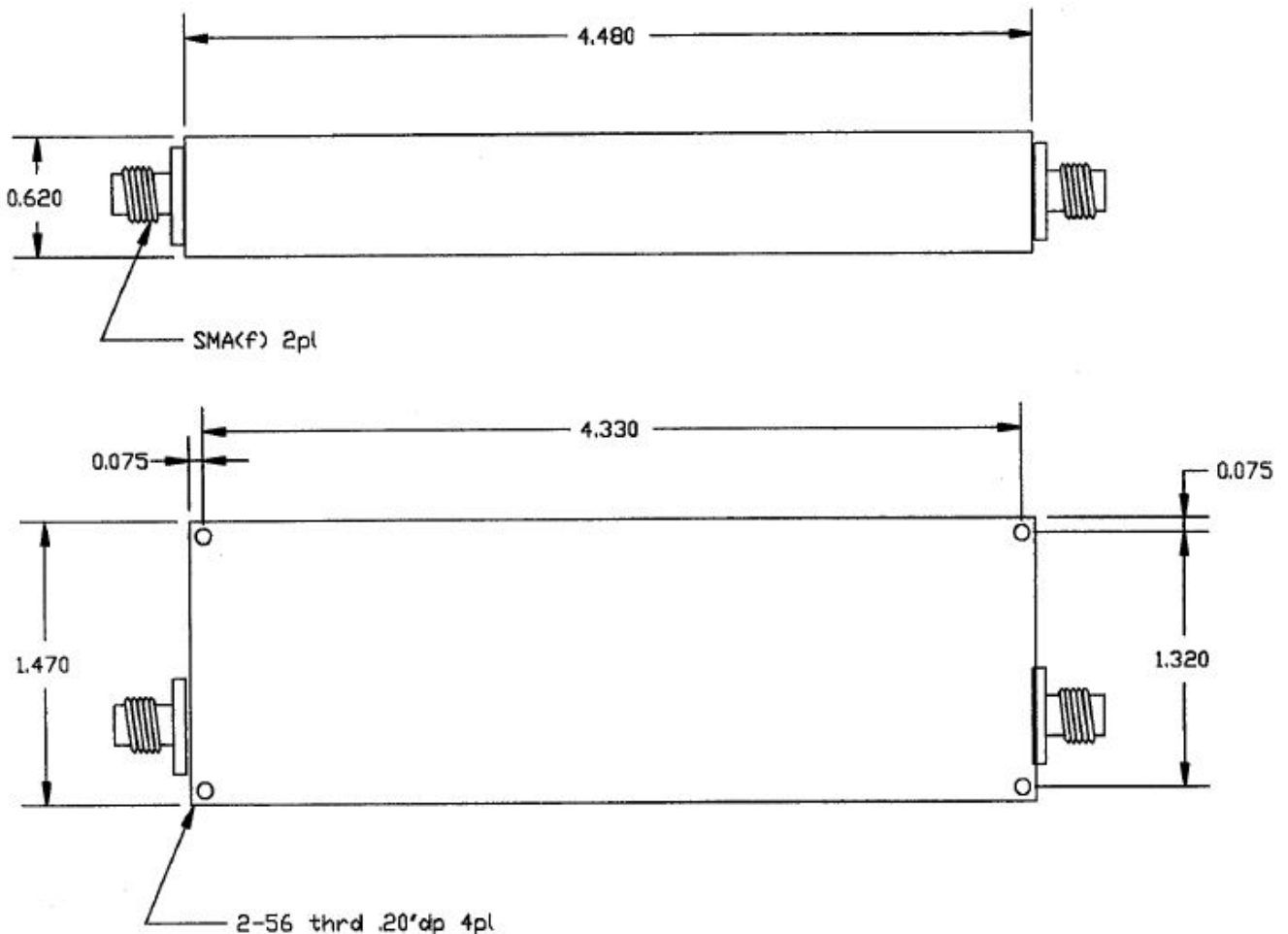
Mechanical

Mounting Method: Threaded Mounting Holes
Connector Type: SMA(F)
Dimensions: 4.480" x 1.470" x 0.620" 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:





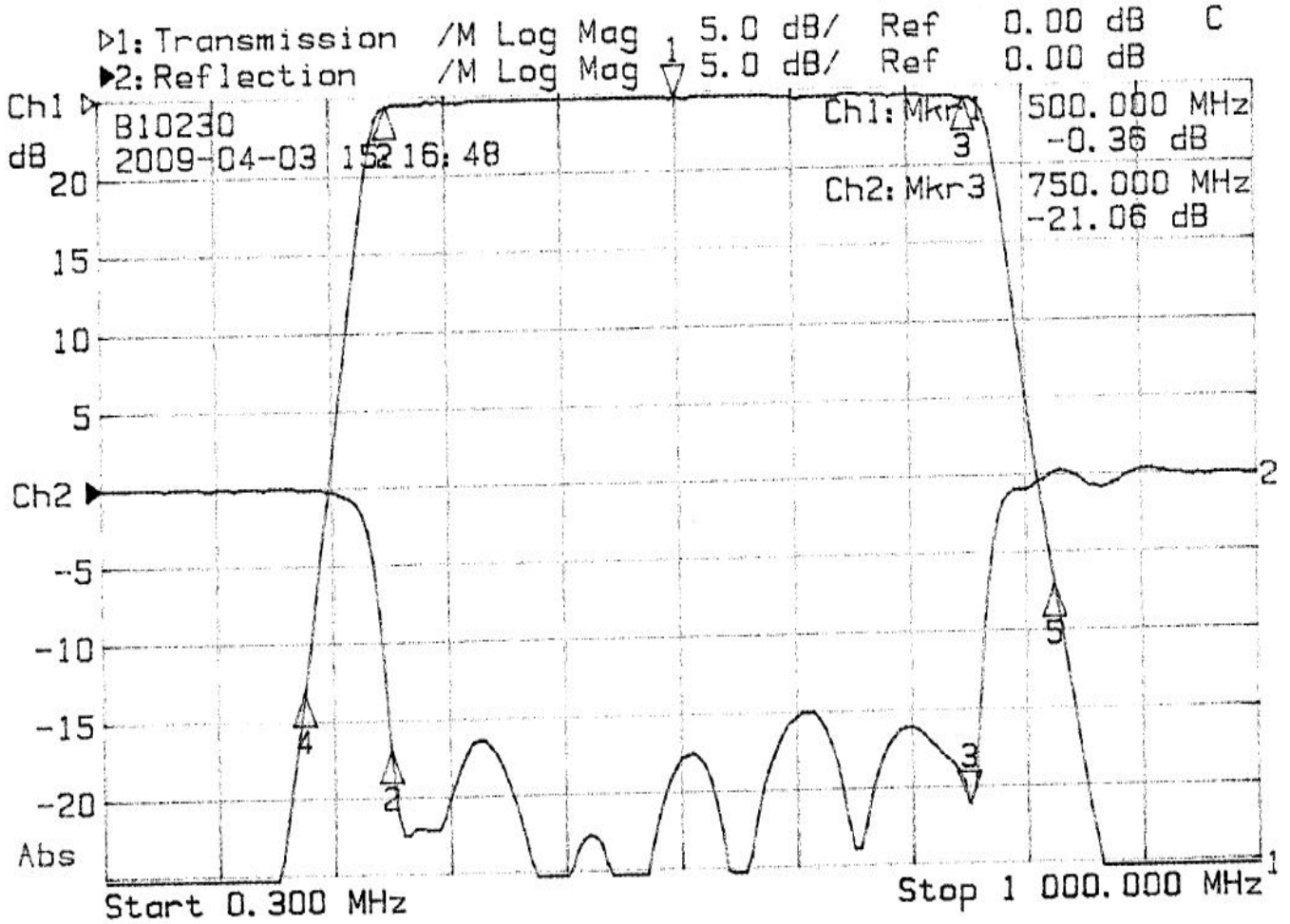
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

500 MHz LC Bandpass Filter

Part Number: AE500B10230



Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 500.00	-0.36	2: 250.00	-17.09
2: 250.00	-0.65	3> 750.00	-21.06
3: 750.00	-0.80		
4: 175.00	-38.28		
5: 825.00	-32.25		

Ken Jones