



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

500 MHz LC Bandpass Filter

Part Number: AE500B10011



Electrical Specifications

Center Frequency: 500 MHz
Bandwidth: 262 MHz
Passband : 361 MHz to 623 MHz
Insertion Loss: $\leq 1\text{dB}$ @ 500 MHz
Return Loss: $>15\text{dB}$ @ 361 MHz to 623 MHz
Rejection: $>60\text{dB}$ @ 0-100 MHz
Rejection2: $>15\text{dB}$ @ 342 MHz to 347 MHz
Rejection3: $>60\text{dB}$ @ 1000 MHz to 5000 MHz
Impedance: 50 Ohms

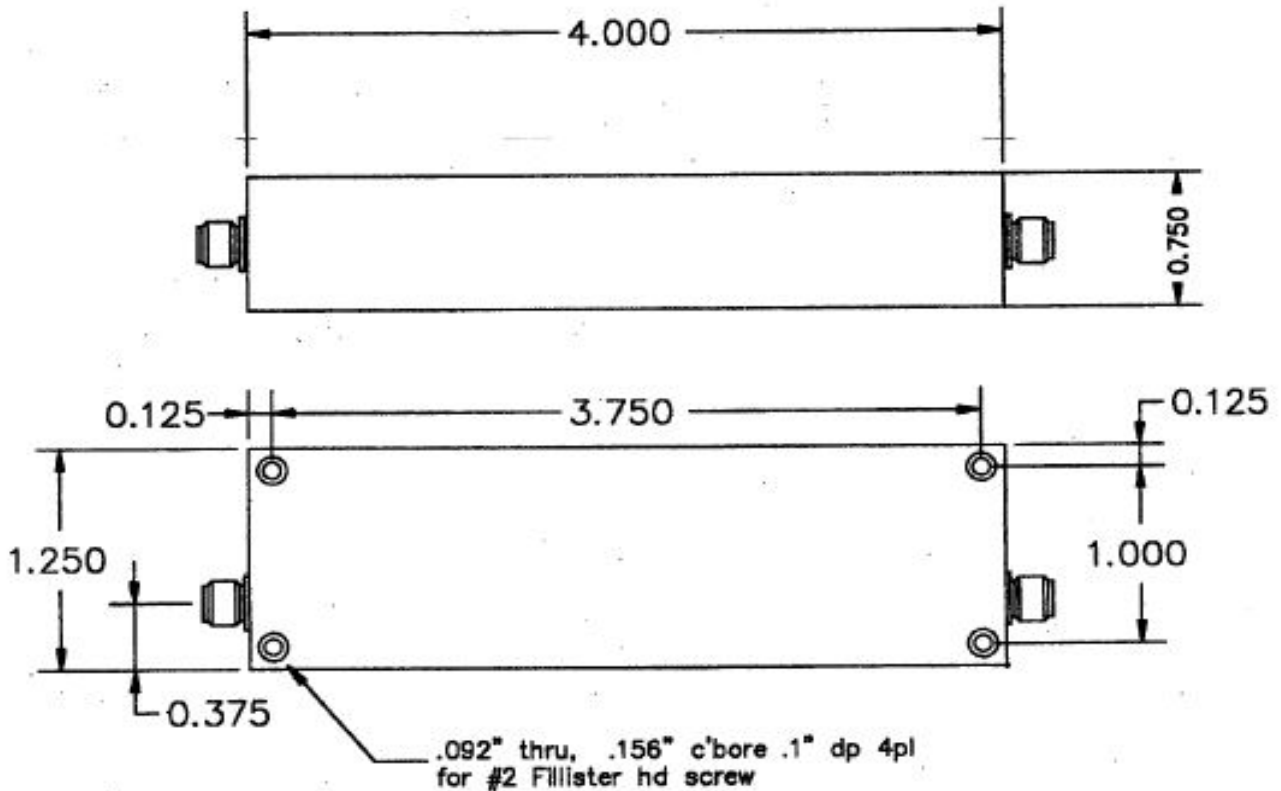
Mechanical

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:





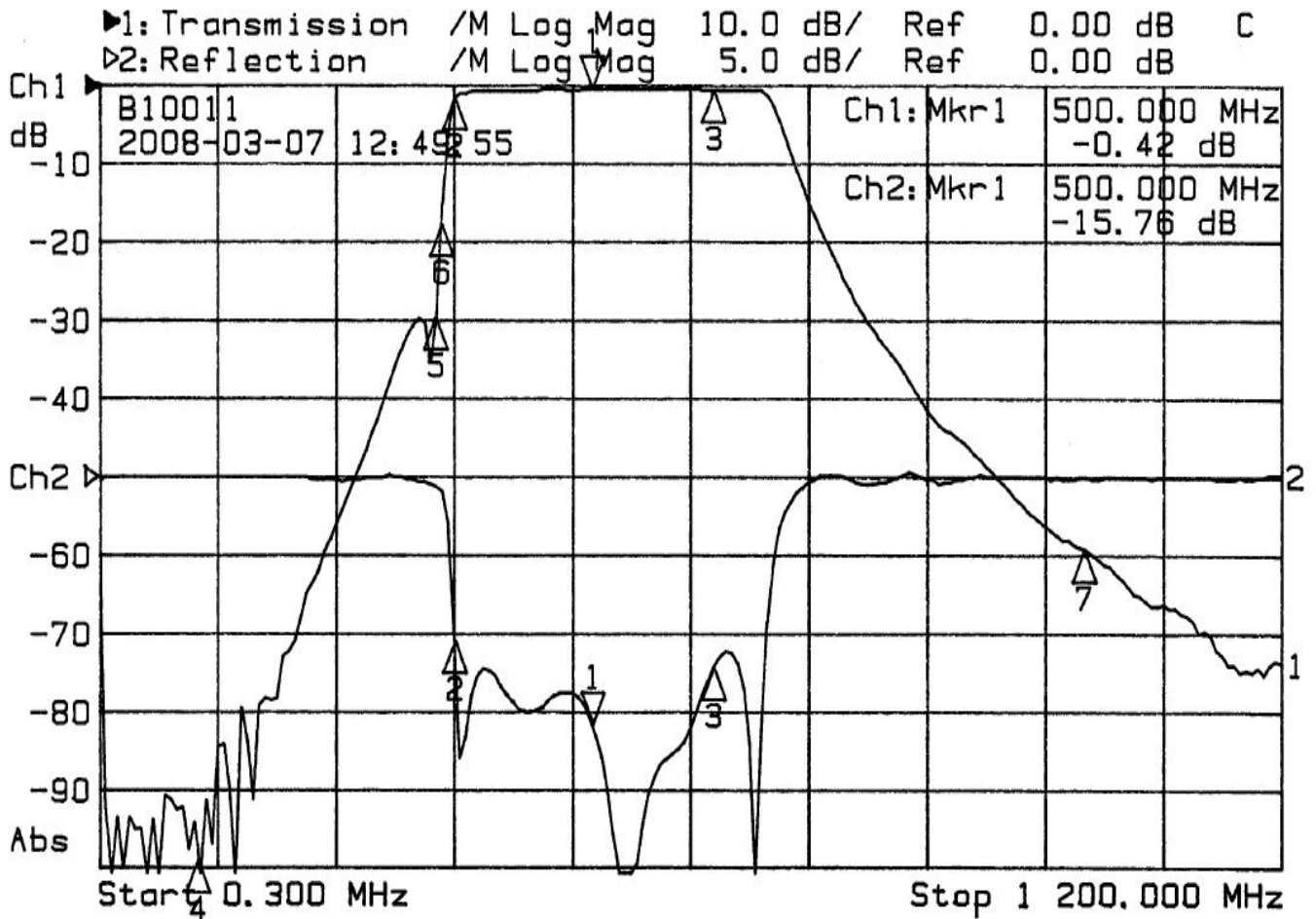
ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

500 MHz LC Bandpass Filter

Part Number: AE500B10011



Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 500.00	-0.42	1> 500.00	-15.76
2: 361.00	-1.62	2: 361.00	-10.52
3: 623.00	-0.63	3: 623.00	-12.25
4: 100.00	-99.13		
5: 342.00	-29.58		
6: 347.00	-17.89		
7: 1000.00	-59.42		

[Signature]

AE E2