



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

45 MHz LC Band Pass Filter

Part Number: AE45B6338



Electrical Specifications

Center Frequency: 45 MHz
Passband: 37-53 MHz
Insertion Loss: 2.0dB Max @ 45 MHz
Return Loss: 14dB Min.
Ripple: 0.1dB Max.
Rejection: ≥ 30 dB @ 30 MHz
Rejection2: ≥ 60 dB @ 23 MHz
Rejection3: ≥ 30 dB @ 60 MHz
Rejection4: ≥ 60 dB @ 67 MHz

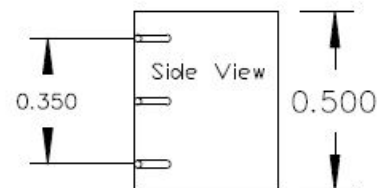
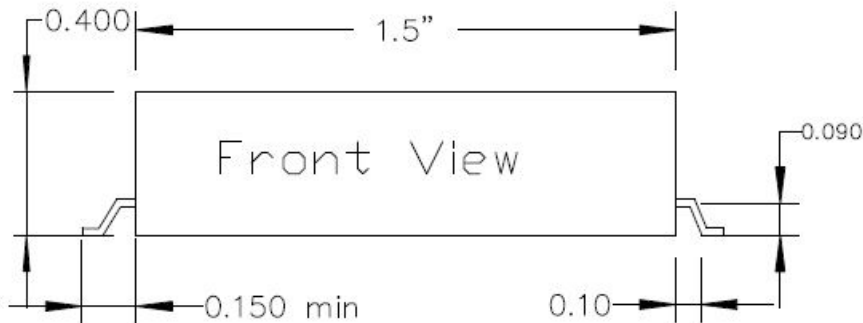
Mechanical

Connector Type: SMT
Dimensions: 1.5" X 0.5" x 0.4" .

Environmental

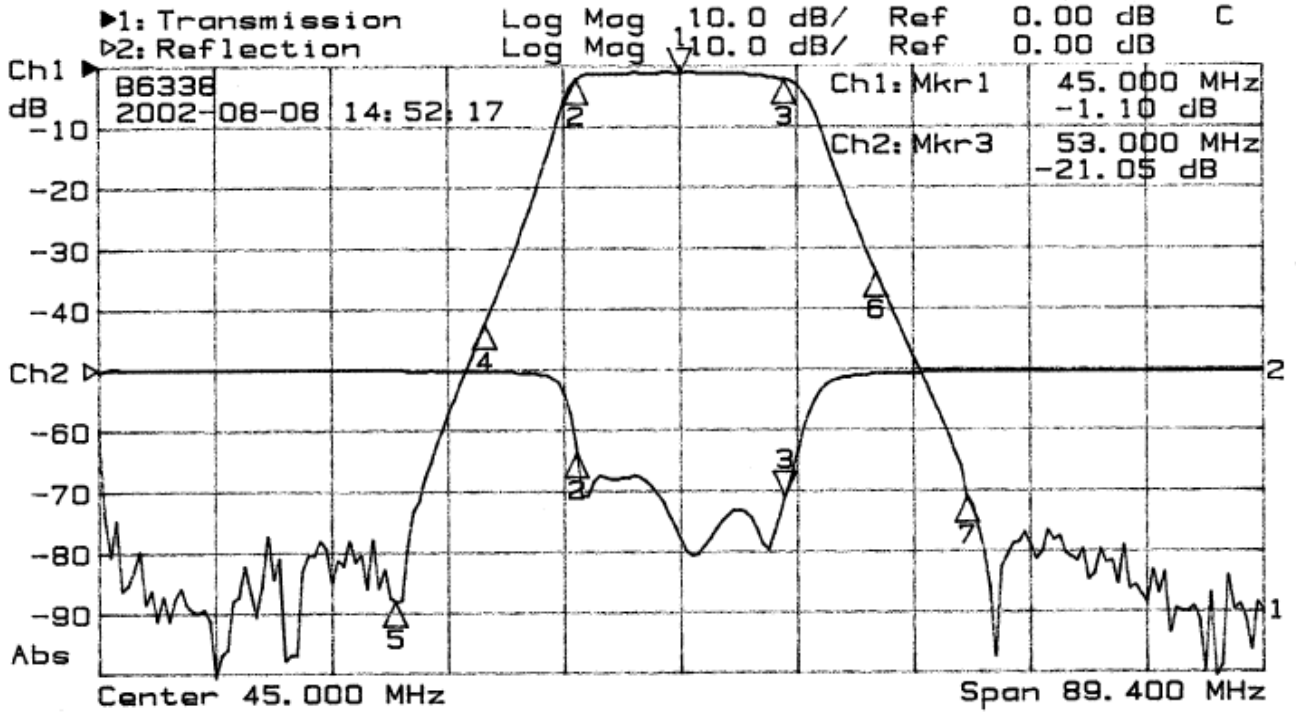
Operating Temperature: -25°C to +70°C
Storage Temperature: -40°C to +90°C
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

Outline Drawing:





Response Plot:



1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 45.00	-1.10	2: 37.00	-13.66
2: 37.00	-2.15	3> 53.00	-21.05
3: 53.00	-2.26		
4: 30.00	-42.38		
5: 23.00	-88.12		
6: 60.00	-34.08		
7: 67.00	-71.30		