



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

78.45 MHz LC Bandpass Filter

Part Number: AE78.45B10057



Electrical Specifications

Center Frequency: 78.45 MHz
Bandwidth: 2 MHz
Passband : 77.45 MHz to 79.45 MHz
Insertion Loss: $\leq 6\text{dB}$ @ 78.45 MHz
Return Loss: $>15\text{dB}$ @ 78 MHz to 78.9 MHz
Rejection: $>35\text{dB}$ @ 0-75.8 MHz
Rejection2: $>10\text{dB}$ @ 78.8 MHz
Rejection3: $>35\text{dB}$ @ 81.5 MHz
Impedance: 50 Ohms

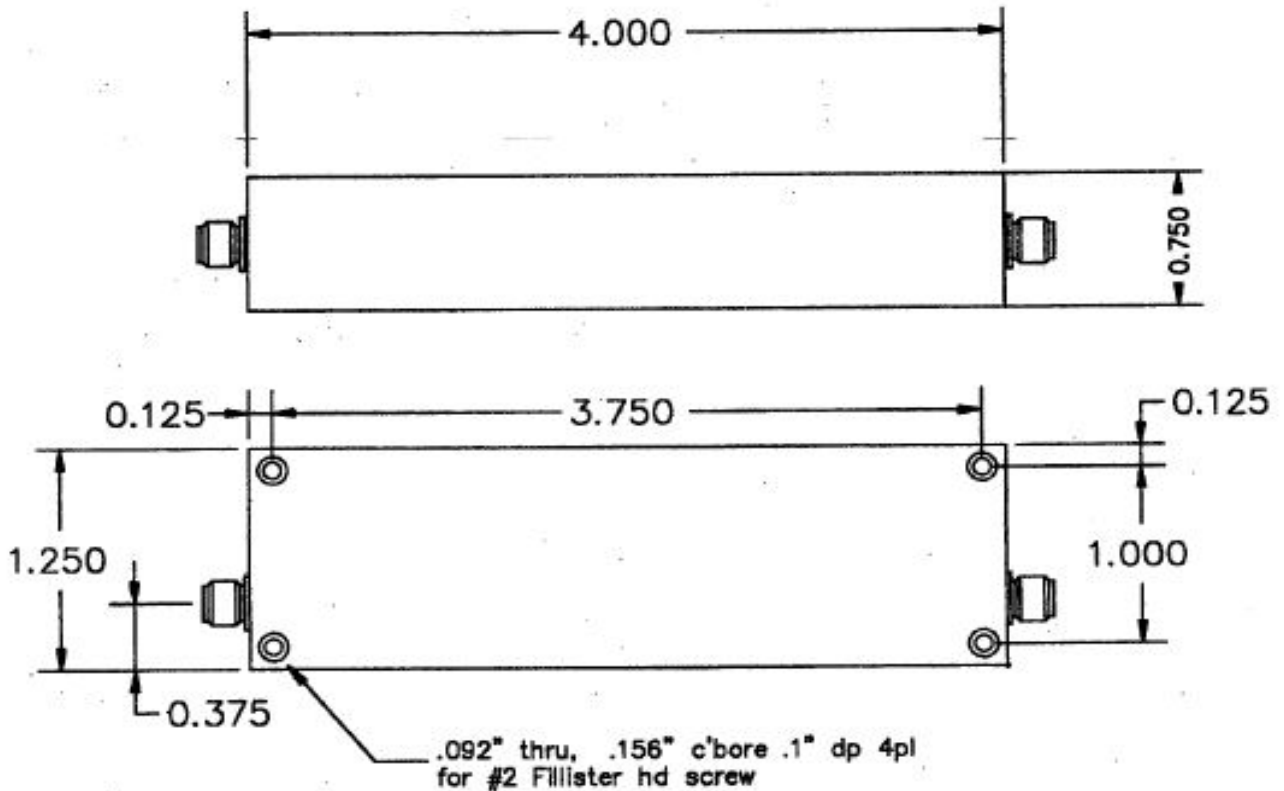
Mechanical

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:





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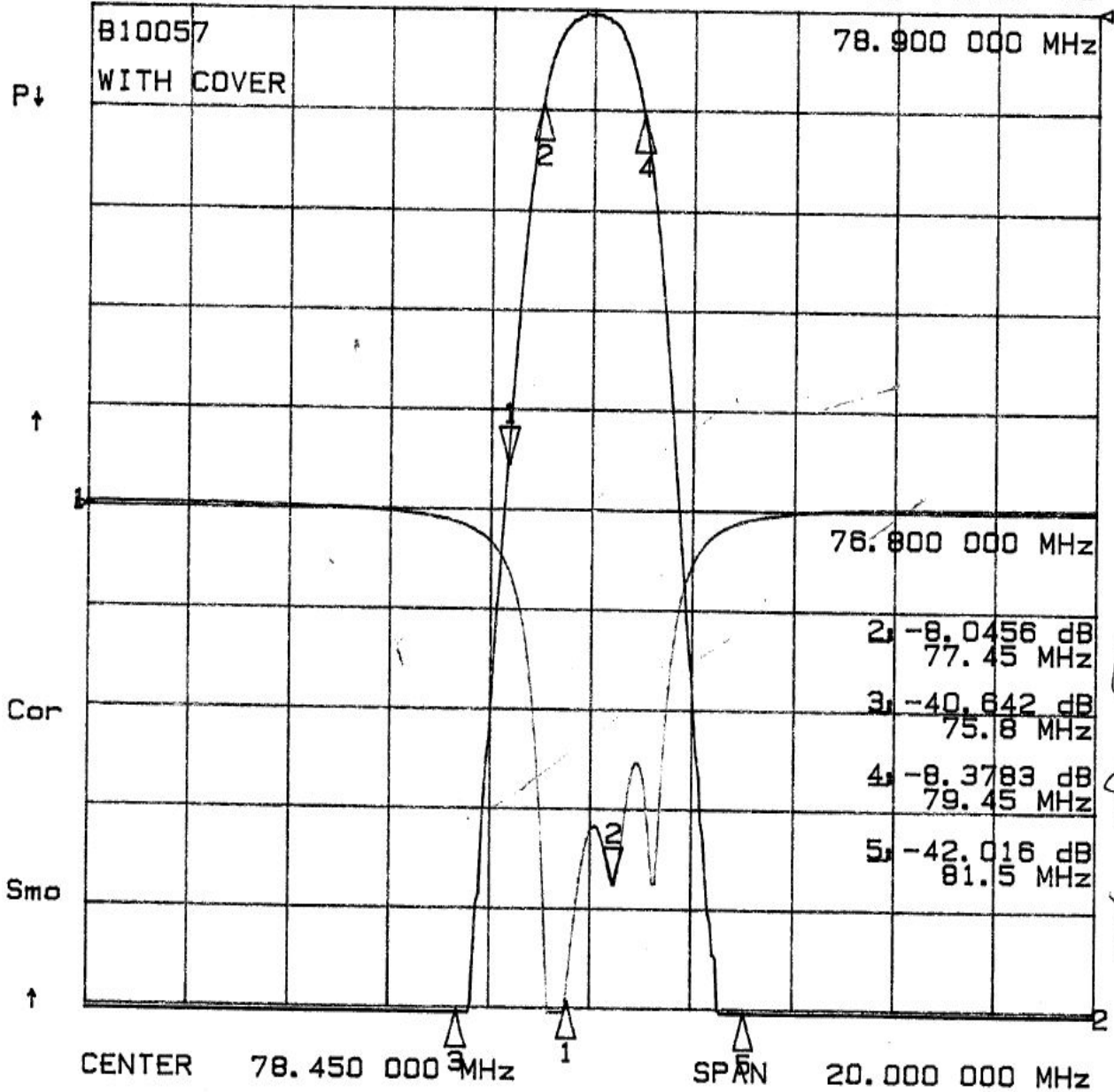
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Response Plot:

28 Apr 2008 13:09:43

CH1 S₁₁ log MAG 5 dB/ REF 0 dB 2 -18.714 dB
CH2 S₂₁ log MAG 3 dB/ REF -5.224 dB 1 -18.86 dB



Handwritten signature: Kenneth J. Smead