



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

48 MHz LC Band Pass Filter

Part Number: AE48B5786



Electrical Specifications

Center Frequency: 48 MHz

Passband: 47.25-48.75 MHz

Insertion Loss: 6.0dB Max.

Return Loss: 14dB Min.

Rejection: ≥ 40 dB @ 40 MHz

Rejection2: ≥ 40 dB @ 56 MHz

Mechanical

Connector Type: SMT

Dimensions: 1.0" X 0.5" x 0.4" .

Environmental

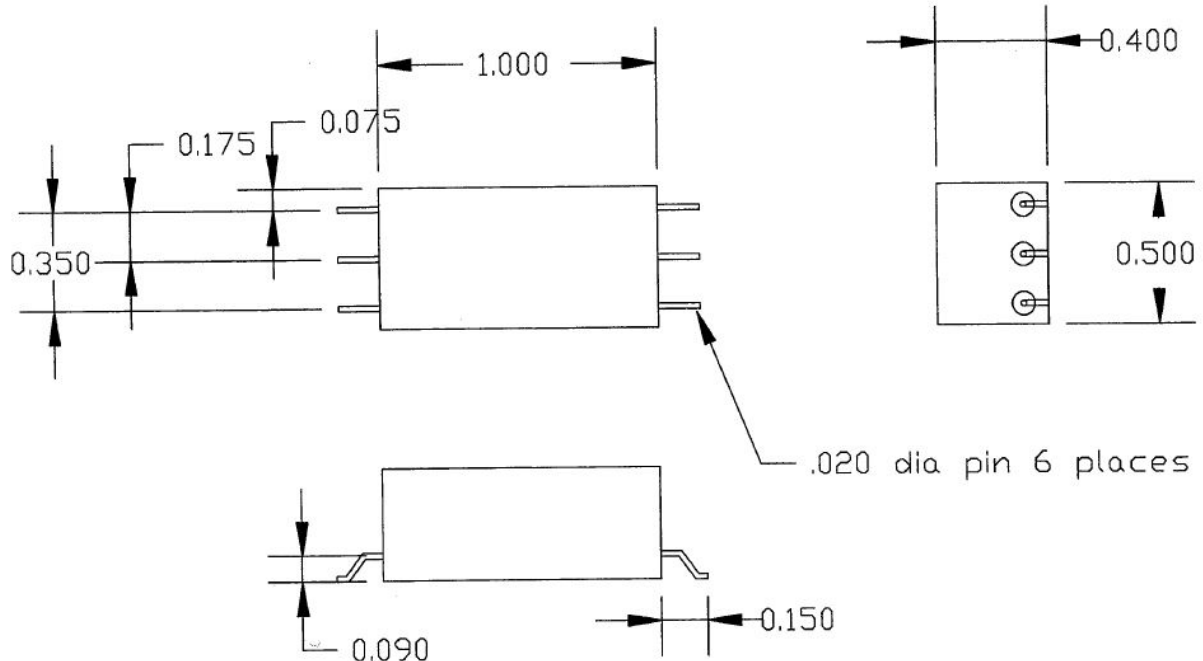
Operating Temperature: -25°C to +70°C

Storage Temperature: -40°C to +90°C

Shock: 10 G. 11ms

Vibration: 10 G. 5 to 200Hz

Outline Drawing:





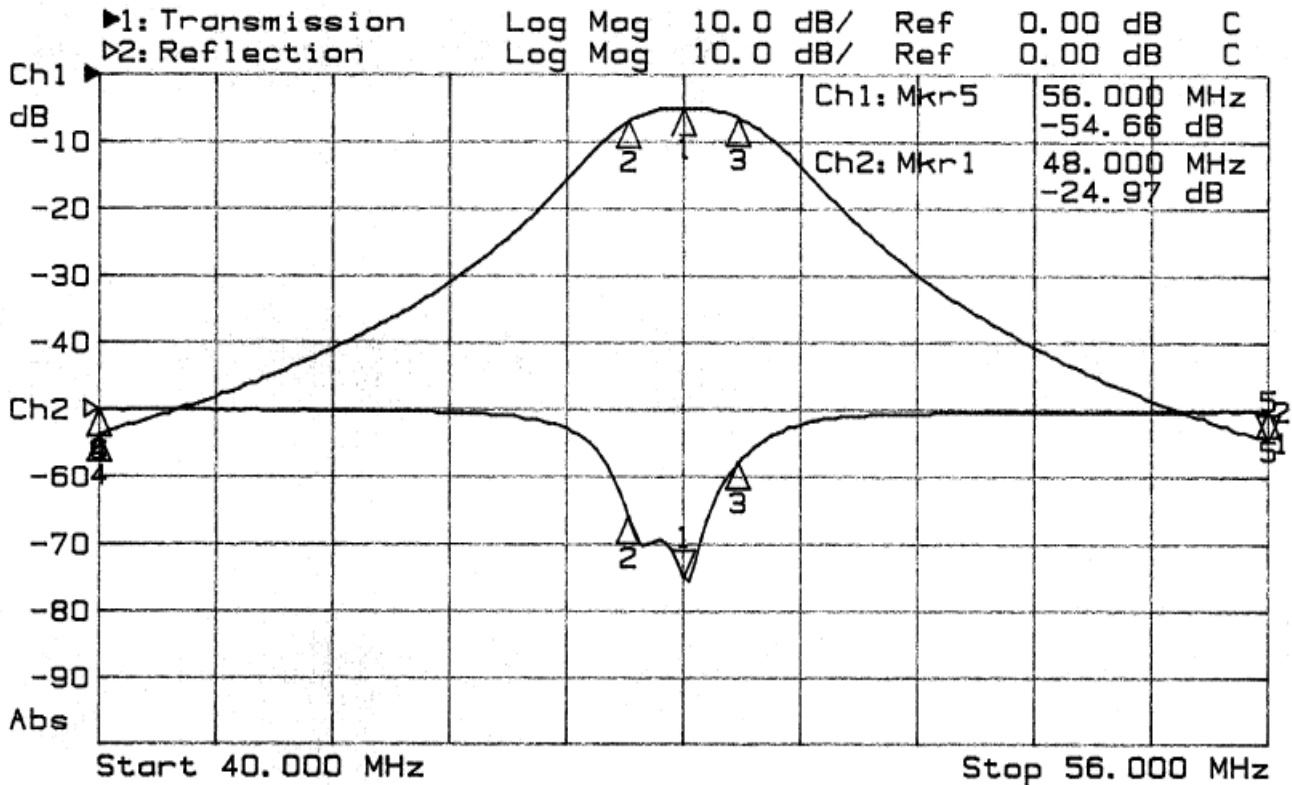
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Response Plot:



| 1: Mkr (MHz) | dB | 2: Mkr (MHz) | dB | | |
|--------------|-------|--------------|----|-------|--------|
| 1: | 48.00 | -4.86 | 1> | 48.00 | -24.97 |
| 2: | 47.25 | -6.85 | 2: | 47.25 | -16.08 |
| 3: | 48.75 | -6.49 | 3: | 48.75 | -7.91 |
| 4: | 40.00 | -53.74 | 4: | 40.00 | -0.13 |
| 5> | 56.00 | -54.66 | 5: | 56.00 | -0.14 |
| | | | 6: | 40.00 | -0.13 |