



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

21.28 MHz LC Band Pass Filter

Part Number: AE21.28B5689



Electrical Specifications

Center Frequency: 21.28 MHz
0.5dB Passband(PB): 20.88-21.68 MHz
Insertion Loss @ 21.28MHz: 3.0 dB Max.
Return Loss over PB: 14.0dB Min.
Ripple in PB: 0.1dB Max.
Rejection1: ≥ 40 dB @ 0-12.5 MHz
Rejection2: ≥ 40 dB @ 17.5 MHz
Rejection3: ≥ 40 dB @ 24.5 MHz
Rejection4: ≥ 40 dB @ 26-300 MHz

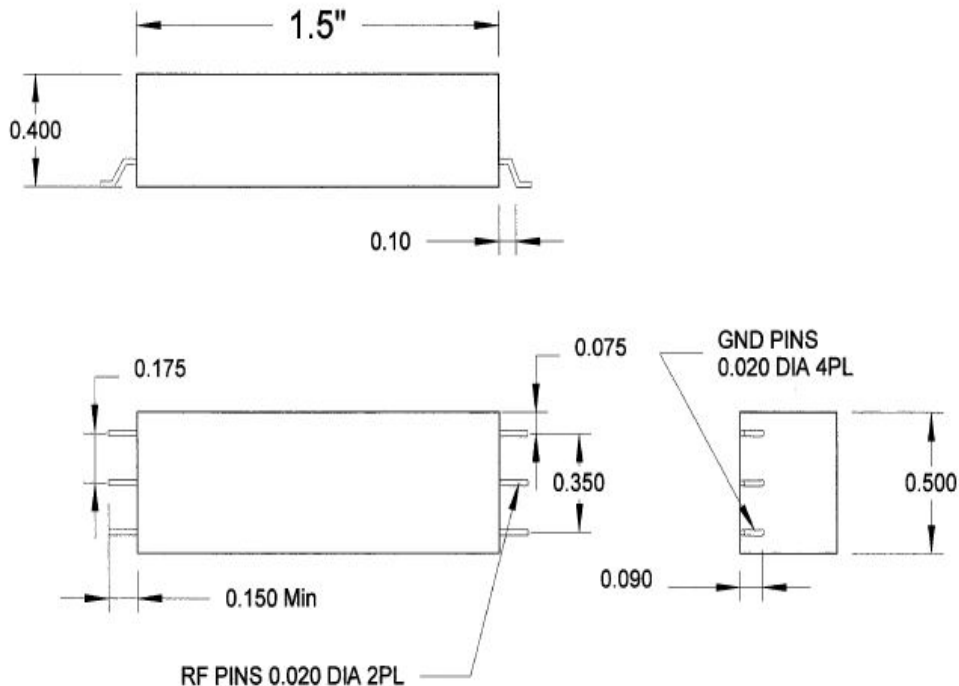
Mechanical

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:



2 decimal places: +/-0.01 inches [+/- 0.3mm]
 3 decimal places: +/- 0.005 inches [+/- 0.13mm]
 Angles: +/- 1 Deg.

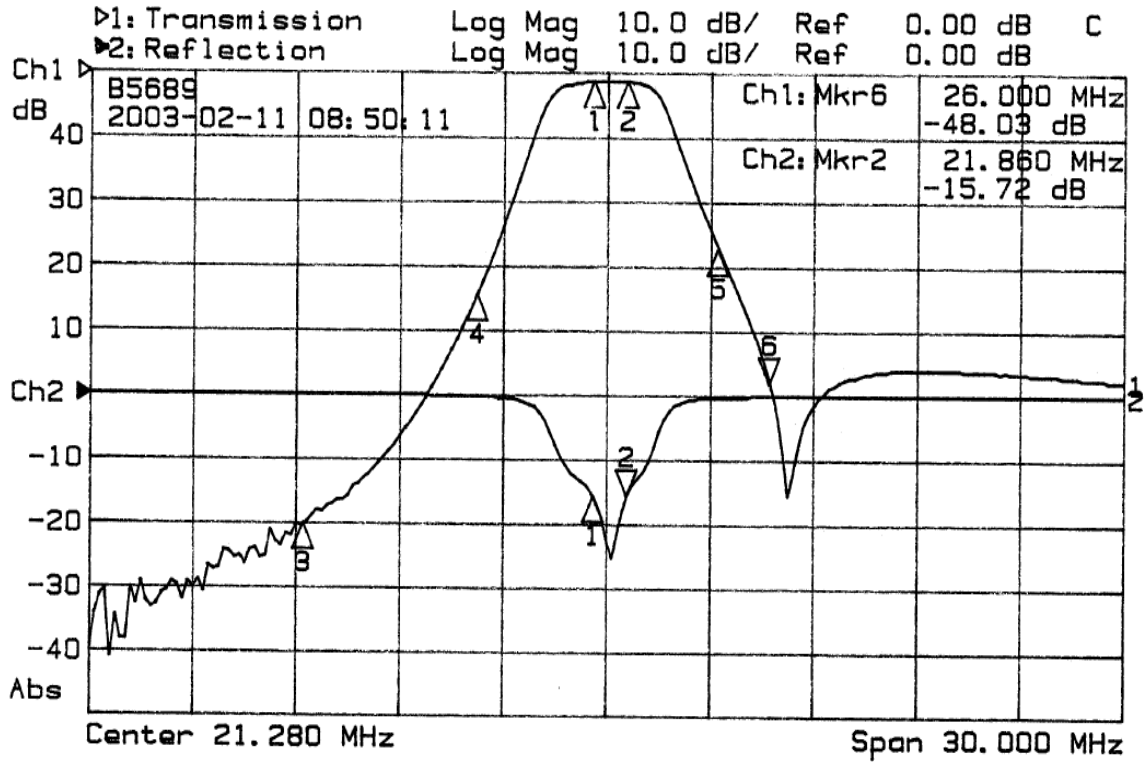
When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

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Response Plot:



| 1: Mkr (MHz) dB | | | 2: Mkr (MHz) dB | | |
|-----------------|-------|--------|-----------------|-------|--------|
| 1: | 20.88 | -1.25 | 1: | 20.88 | -15.73 |
| 2: | 21.86 | -1.39 | 2> | 21.86 | -15.72 |
| 3: | 12.50 | -69.96 | | | |
| 4: | 17.50 | -34.46 | | | |
| 5: | 24.50 | -27.18 | | | |
| 6> | 26.00 | -48.03 | | | |