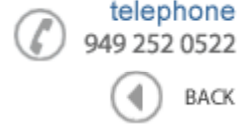




Data Sheet



Product Category: IF SAW Filter

| | | | |
|-----------------|----------------|-------------------------|---------------|
| Part Number | Package | Application | Last Modified |
| 813-SL140.0M-05 | 13.3 x 6.5 SMD | Base Station & Repeater | Apr 18, 2007 |

TYPE :
 140.0 MHz Bandpass Filter
 Low Loss
 Narrow Bandwidth



PART NUMBER :
813-SL140.0M-05

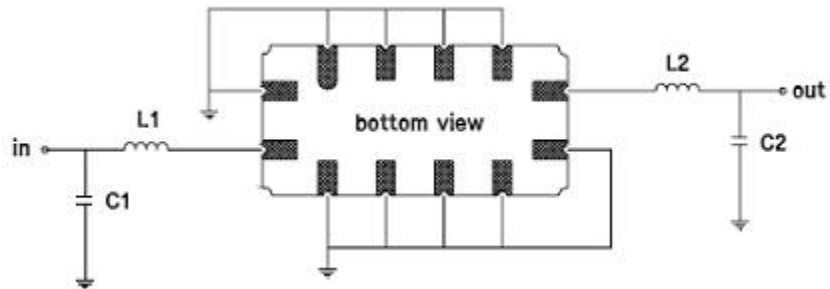
OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

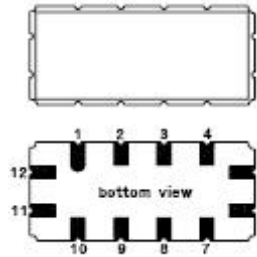
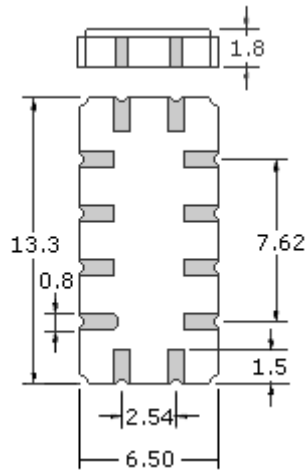
| PARAMETERS | Minimum | Typical | Maximum | Units |
|----------------------------------|---------|---------|---------|--------|
| Center Frequency | 139.85 | 140.0 | 140.15 | MHz |
| Insertion Loss at Fo | - | 10.5 | 12.0 | dB |
| Source Impedance (single ended)* | - | 50 | - | ohm |
| Load Impedance (single ended)* | - | 50 | - | ohm |
| Bandwidth at -1.0 dB | 4.0 | 4.3 | - | MHz |
| Bandwidth at -3.0 dB | 4.8 | 5.08 | - | MHz |
| Bandwidth at -40.0 dB | - | 7.7 | 7.9 | MHz |
| Bandwidth at -45.0 dB | - | 7.85 | 8.1 | MHz |
| Relative Attenuation: | - | - | - | - |
| Lower Sidelobe | 45 | 50 | - | dB |
| Upper Sidelobe | 45 | 50 | - | dB |
| Amplitude Ripple | - | 0.3 | 1.0 | dBp-p |
| Group Delay Variation | - | 50 | 100 | nsec |
| Absolute Delay at Fo | - | 0.94 | - | µsec |
| Temperature Coefficient | - | -94 | - | ppm/°C |

*With Matching Network (Reference Testing Environment Circuit as shown) Modify Impedance Values as necessary.

PACKAGE OUTLINE (mm)

TEST FIXTURE





PIN Description: IN-11,OUT-5, GROUND-1,2,3,4,6,7,8,9,10,12

L1 = 47nH C1 = 43pF
 L2 = 47nH C2 = 43pF
 Source/Load Impedance = 50 ohms

FREQUENCY RESPONSE



Oscilent Corporation - CALL **949.252.0522**

Part No.: 813-SL140.0M-05

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