



Data Sheet

telephone
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BACK

Product Category: IF SAW Filter

| Part Number | Package | Application | Last Modified |
|----------------|----------------|---------------|---------------|
| 813-SL60.0M-11 | 13.3 x 6.5 SMD | IF SAW Filter | Jan 01, 2007 |

TYPE :

60.0MHz IF SAW Filter

PART NUMBER :

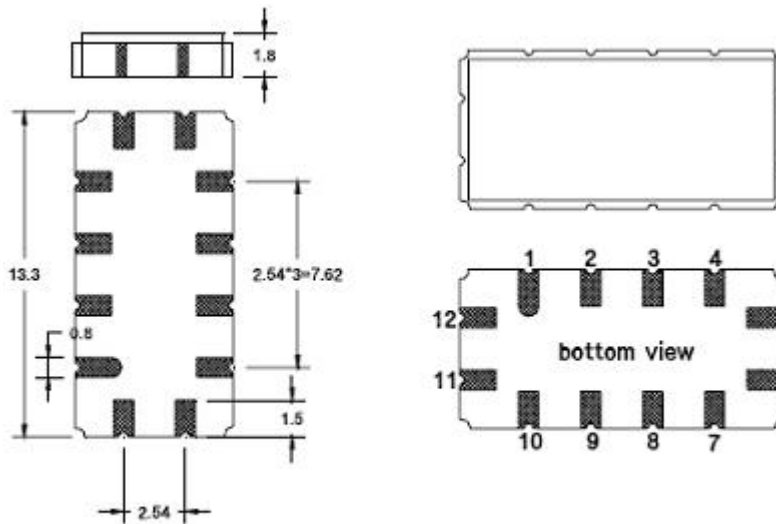
813-SL60.0M-11**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

| PARAMETERS | Minimum | Typical | Maximum | Units |
|---------------------------------------|---------|---------|---------|-------|
| Center Frequency (Fo) | - | 60.0 | - | MHz |
| Insertion Loss at Fo | - | 11.8 | 13.0 | dB |
| Source Impedance (single ended)* | - | 50 | - | ohm |
| Load Impedance (single ended)* | - | 50 | - | ohm |
| Temperature Coefficient | - | -94 | - | ppm/C |
| Amplitude Ripple (Fo \pm 5 MHz) | - | 0.4 | 1.0 | dBp-p |
| 1dB Bandwidth | 10.0 | 12.0 | - | MHz |
| Relative Attenuation: | - | | | |
| Fo \pm 4.75 MHz | - | 0 | - | dB |
| Fo \pm 5.54 MHz | - | 0 | - | dB |
| Fo \pm 9.75 MHz | 40 | 45 | - | dB |
| Fo \pm 10MHz | 40 | 48 | - | dB |
| Fo \pm 20 MHz | 45 | 55 | - | dB |
| From DC to Fo 14.75 MHz | 40 | 45 | - | dB |
| From Fo+14.75 to 120MHz | 40 | 45 | - | dB |
| Absolute Delay at Fo | - | 1.1 | - | us |
| Group Delay Variation (Fo \pm 5MHz) | - | 38 | 70 | ns |
| Operating Temp | -45 | - | +85 | C |
| Storage Temp | -45 | - | +85 | C |

*With Matching Network (Ref. Testing Environment Circuit as Shown Below).

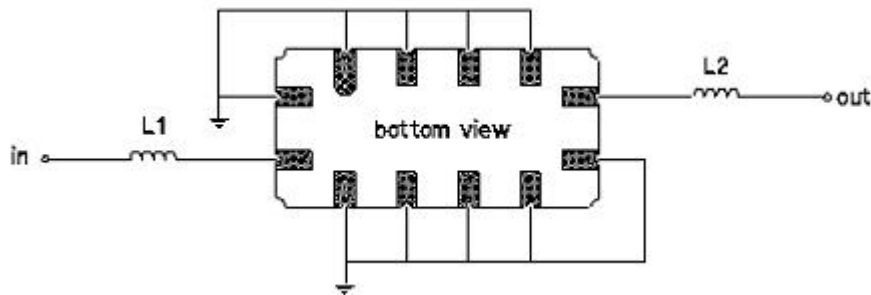
Those impedances could be modified with different impedance values and/or structures, if necessary

PACKAGE OUTLINE (mm)



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

TEST CIRCUIT



TEST FIXTURE AND VALUES/SOURCE AND LOAD IMPEDANCE 50 ohm

INPUT: L1: 270 nH Q>40

OUTPUT: L2: 220 nH Q>40

FREQUENCY RESPONSE



Oscilent Corporation - CALL **949.252.0522**

Part No.: 813-SL60.0M-11

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