



Features

- ◇ For RF SAW filter
- ◇ Single-ended operation
- ◇ Ceramic Surface Mount Package
- ◇ Small size
- ◇ No matching required for operation at 50Ω
- ◇ RoHS compliant (2002/95/EC), Pb-free

Specifications

| Parameter | Unit | Minimum | Typical | Maximum |
|---|---------------------|---------|---------|---------|
| <i>Center Frequency</i> | MHz | - | 942.5 | - |
| <i>Insertion Loss (925~960MHz)</i> | dB | - | 2.3 | 3.0 |
| <i>Amplitude Ripple (925~960MHz)</i> | dB | - | 1.3 | 1.5 |
| <i>Attenuation</i> | <i>DC~905MHz</i> | dB | 17 | - |
| | <i>905~915MHz</i> | dB | 5 | - |
| | <i>980~1000MHz</i> | dB | 13 | - |
| | <i>1000~2000MHz</i> | dB | 20 | - |
| <i>VSWR (925~960MHz)</i> | - | - | 1.8 | 2.7 |
| <i>Material Temperature coefficient</i> | kHz/°C | -33.93 | | |
| <i>Substrate Material</i> | - | 42LT | | |
| <i>Ambient Temperature</i> | °C | 25 | | |
| <i>Operating Temperature Range</i> | °C | -40 | - | +85 |
| <i>Storage Temperature Range</i> | °C | -55 | - | +100 |
| <i>ESD Class</i> | - | 1A | | |
| <i>Package Size</i> | SMD3.0*3.0 | | | |

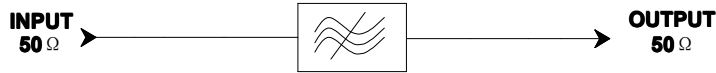
Notes:

1. All specifications are based on the test circuit shown;
2. In production, all specifications are measured by Agilent Network analyzer and full 2 port calibration at room temperature;
3. Electrical margin has been built into the design to account for the variations due to temperature drift and manufacturing tolerances;
4. This is the optimum impedance in order to achieve the performance show.

| | | | | |
|--|--|-------------|------------|------|
| | SIPAT Co., Ltd. (CETC No.26 Research Institute) #14 Nanping Huayuan Road, Chongqing, China, 400060 | Part Number | LBT94303 | |
| | | Rev. Date | 2013-05-21 | |
| | | Ver. | 1.0 | Page |

Matching Configuration

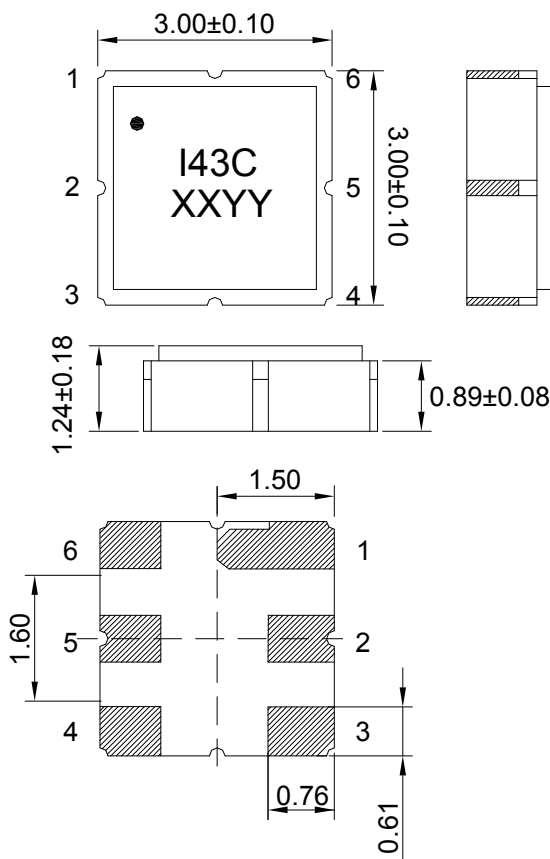
手动测试座



Source/Load Impedance=50 ohm

Notes - Component values may change depending on board layout.

Package Dimension



Pad Configuration:

Input: 2
Output: 5
Ground: All Others

Marking Configuration:

- 1) •: Pad Number 1 Index
- 2) I43C: Part Number
- 3) XXYY: Date(Year/month)
- 4) ZZ: Identified Code

Package: SMD3.0*3.0

Unit: mm



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Chongqing, China, 400060

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Typical Performance

