



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Resonator 1GHz SMD 3.8X3.8 mm

TST Parts No.: TC0337A

Customer Parts No.: _____

| |
|---------------------|
| Company: _____ |
| Division: _____ |
| Approved by : _____ |
| Date: _____ |

Checked by: Paul Ni

Approval by: Francis Chen

Date: 2007/06/01



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SAW Resonator 1 GHz

MODEL NO.: TC0337A

REV. NO.: 1.0

A. FEATURES:

- 1. 1-Port Resonator.

B. MAXIMUM RATING:

- 1. Input Power Level: 10 dBm
- 2. DC voltage: 3 V
- 3. Operating Temperature: -40°C to +85°C
- 4. Storage Temperature: -40°C to +85°C

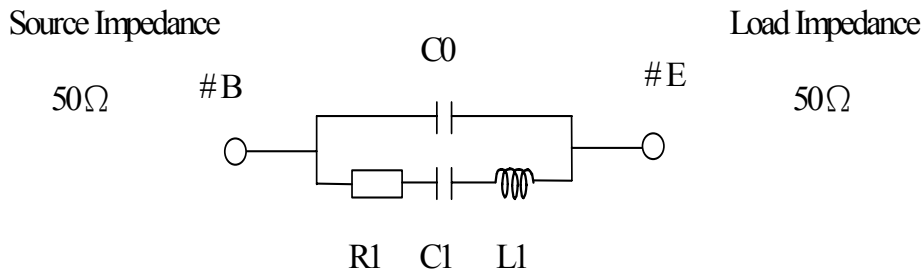
RoHS Compliant
Lead free
Lead-free soldering

C. ELECTRICAL CHARACTERISTICS:

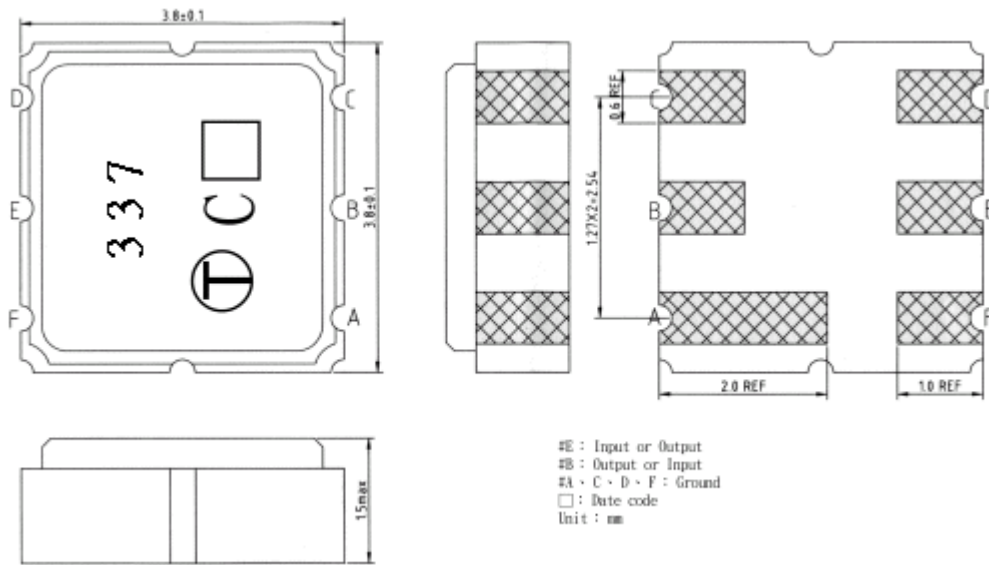
| Characteristic | Units | Minimum | Typical | Maximum |
|--------------------------------|----------------|-------------------|---------|----------|
| Center frequency Fr | MHz | 999.950 | 1000 | 1000.050 |
| Insertion Loss IL | dB | - | 1.75 | 2.3 |
| Equivalent Elements | | | | |
| Motional capacitance C1 | fF | - | 0.92 | - |
| Motional inductance L1 | μH | - | 27.5 | - |
| Motional resistance R1 | Ohm | - | 21.5 | - |
| Parallel capacitance Co | pF | - | 2.11 | - |
| Temp.coeff. | ppm/c*2 | - | 0.032 | - |
| Turnover To | deg.C | - | 25 | - |
| Package size | | SMD 3.8X3.8X1.4mm | | |

D. EQUIVIRENT CIRCUIT:

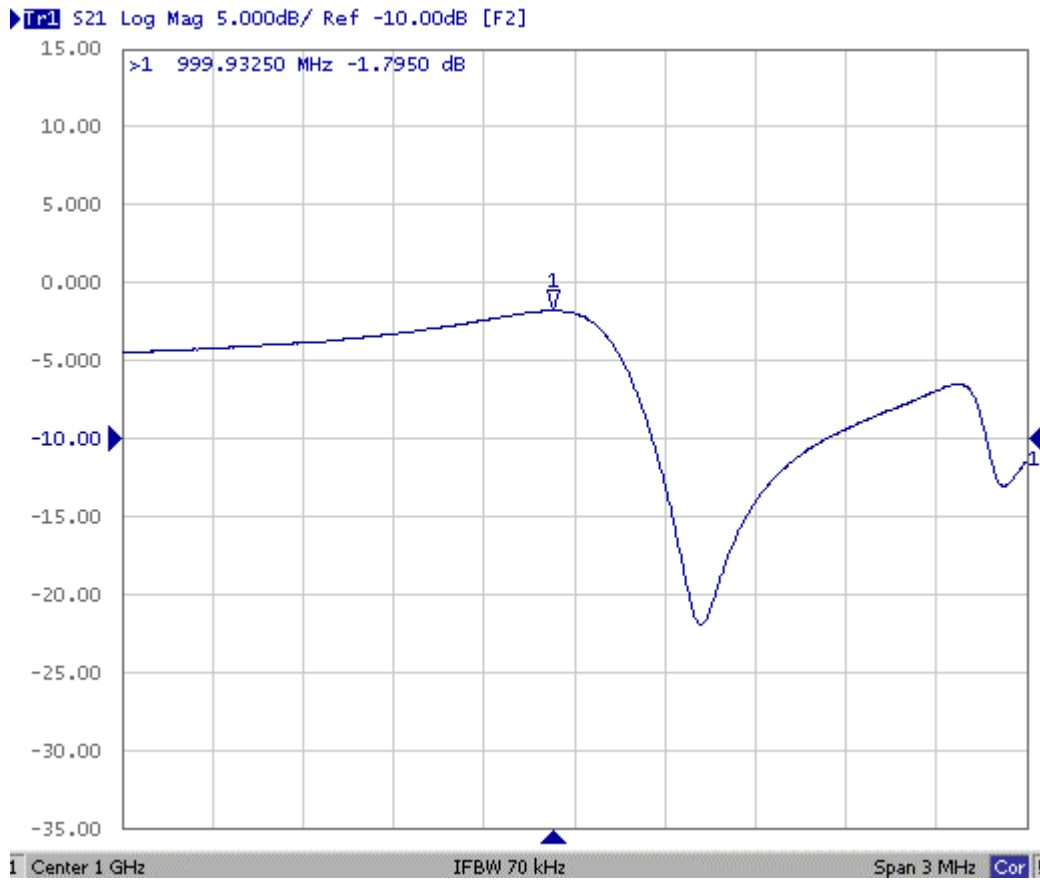
One-Port Resonator:



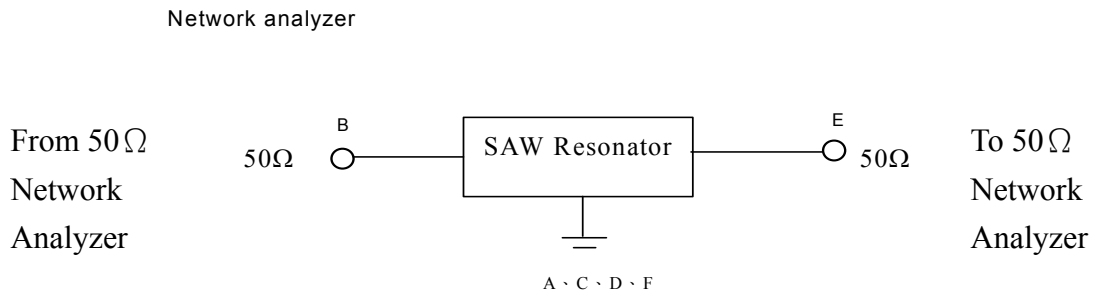
E. OUTLINE DRAWING:



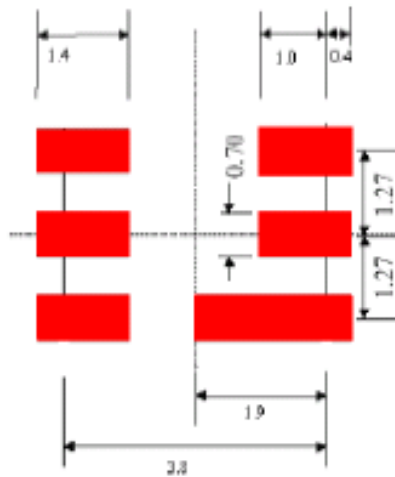
F. FREQUENCY CHARACTERISTICS



G. TEST CIRCUIT:

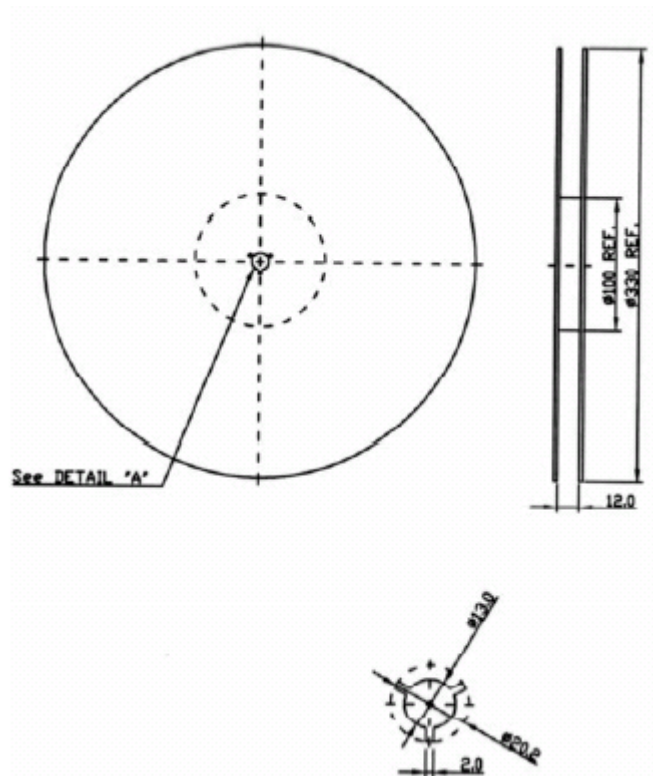


H. LAND PATTERN:

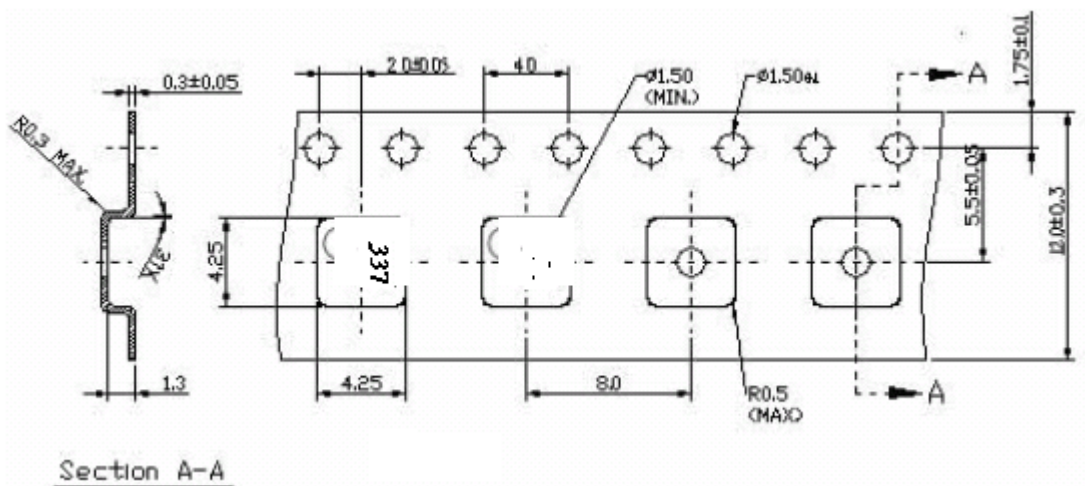


I. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



J. RECOMMENDED REFLOW PROFILE:

