



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 644.873 MHz SMD 3X3 mm

TST Parts No.: TC0355A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: Paul Ni

Approval by: Francis Chen

Date: 2006/12/05



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SAW Resonator 644.873 MHz

MODEL NO.: TC0355A

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

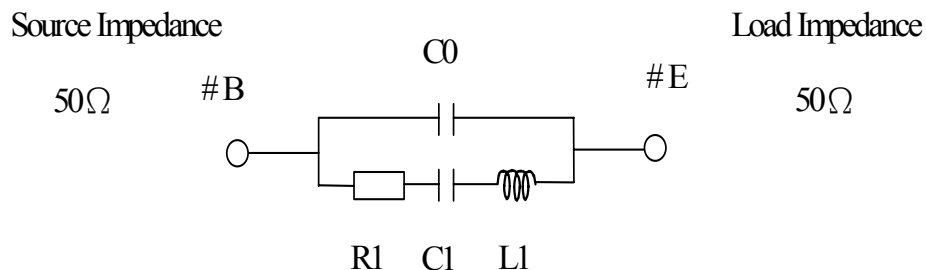
C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	644.813	644.873	644.933
Insertion Loss IL	dB	-	1.5	2.0
Equivalent Elements				
Motional capacitance C1	fF	-	1.30	-
Motional inductance L1	μH	-	46.75	-
Motional resistance R1	Ohm	-	20.19	-
Parallel capacitance Co	pF	-	2.62	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	-	25	-
Package size		SMD 3.0X3.0X1.4mm		

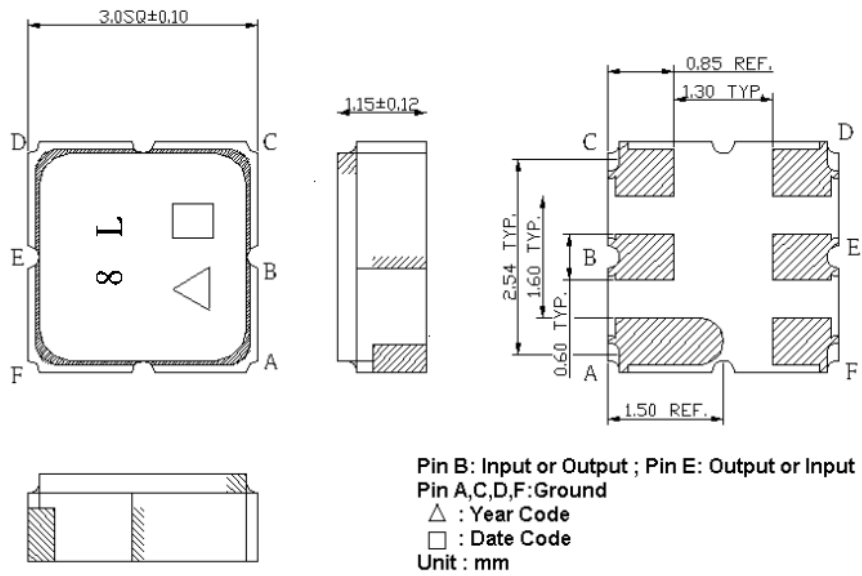
RoHS Compliant
Lead free
Lead-free soldering

D. EQUIVIRENT CIRCUIT:

One-Port Resonator:

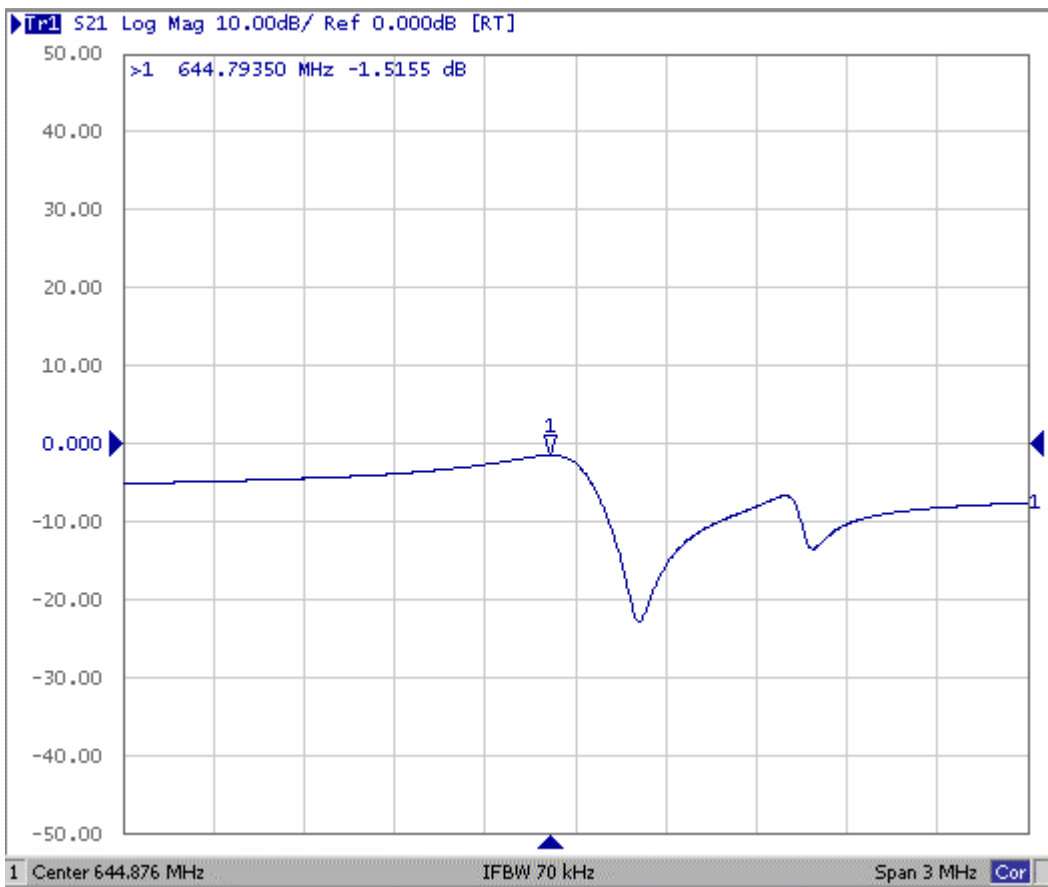


E. OUTLINE DRAWING:



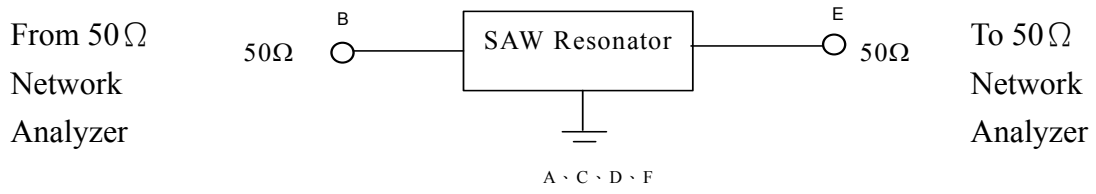
Date code: Provided by planer each year
 Year code: 6 for 2006, 7 for 2007, ...

F. FREQUENCY CHARACTERISTICS

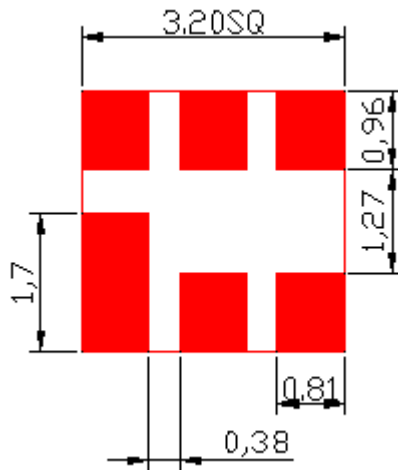


G. TEST CIRCUIT:

Network analyzer

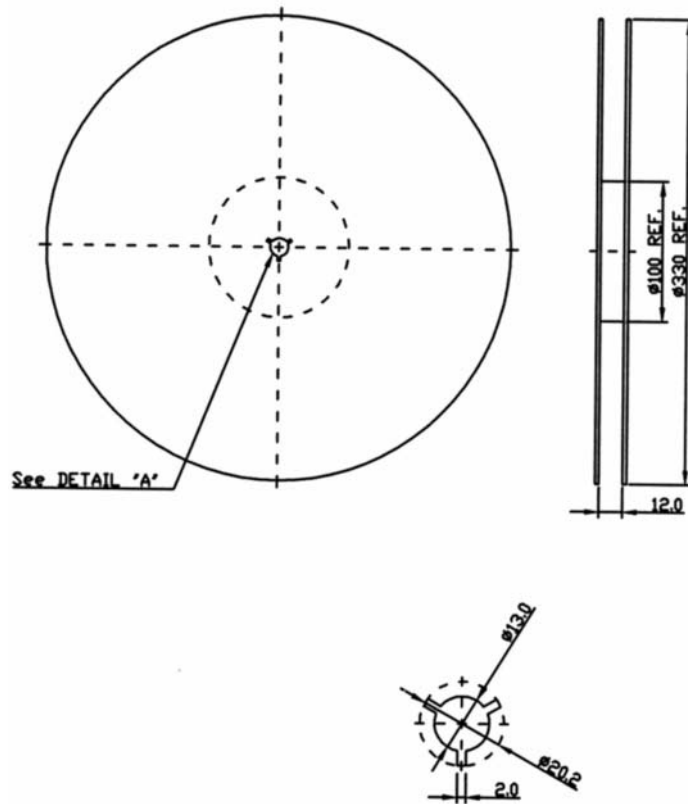


H. LAND PATTERN:

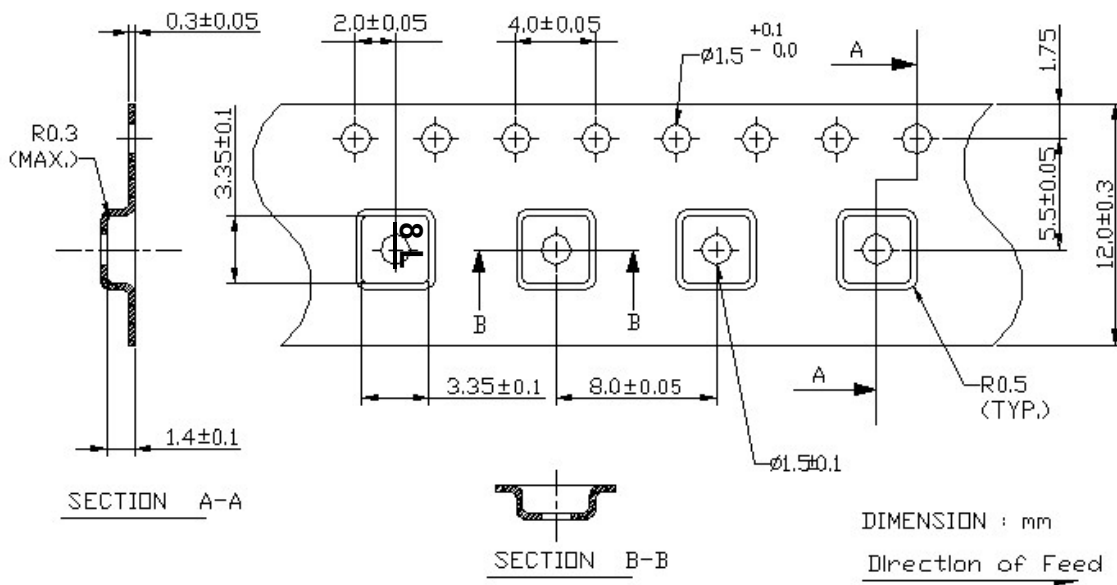


I. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



J. RECOMMENDED REFLOW PROFILE:

