



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 669.694 MHz SMD 3X3 mm

TST Parts No.: TC0413A

Customer Parts No.: _____

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

Checked by: Paul Ni

Approval by: Francis Chen

Date: 2007/09/11



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SAW Resonator 669.694 MHz

MODEL NO.: TC0413A

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

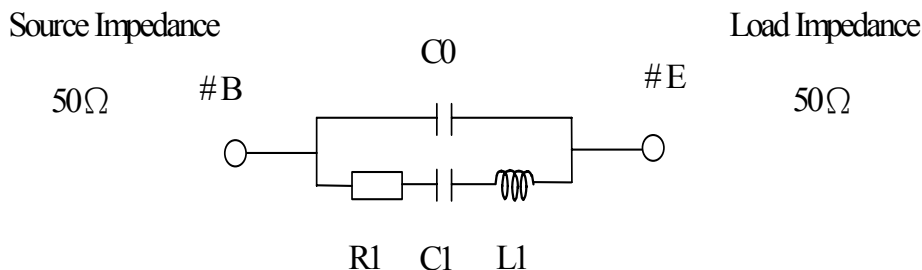
C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	669.654	669.694	669.734
Insertion Loss IL	dB	-	1.39	2.0
Equivalent Elements				
Motional capacitance C1	fF	-	1.29	-
Motional inductance L1	μH	-	43.32	-
Motional resistance R1	Ohm	-	16.91	-
Parallel capacitance Co	pF	-	2.64	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	-	25	-
Package size		SMD 3.0X3.0X1.4mm		

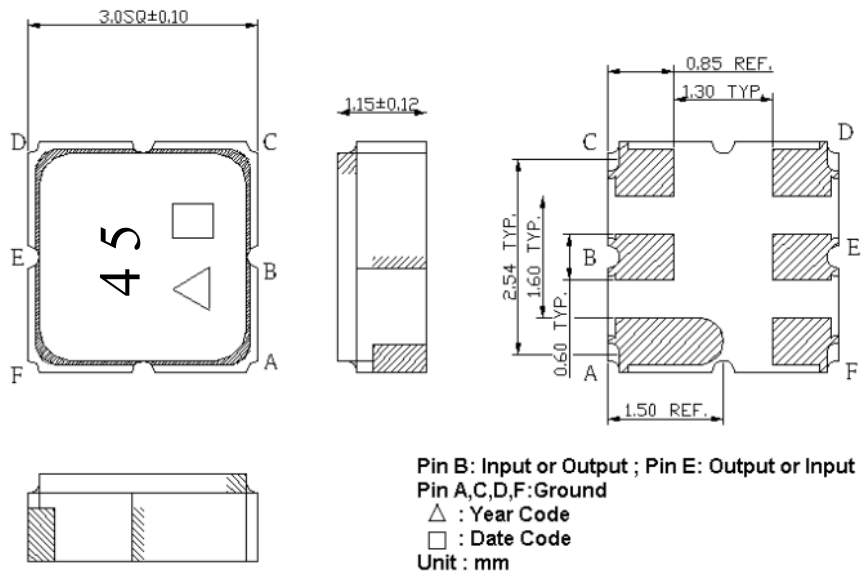
RoHS Compliant
Lead free
Lead-free soldering

D. EQUIVIRENT CIRCUIT:

One-Port Resonator:

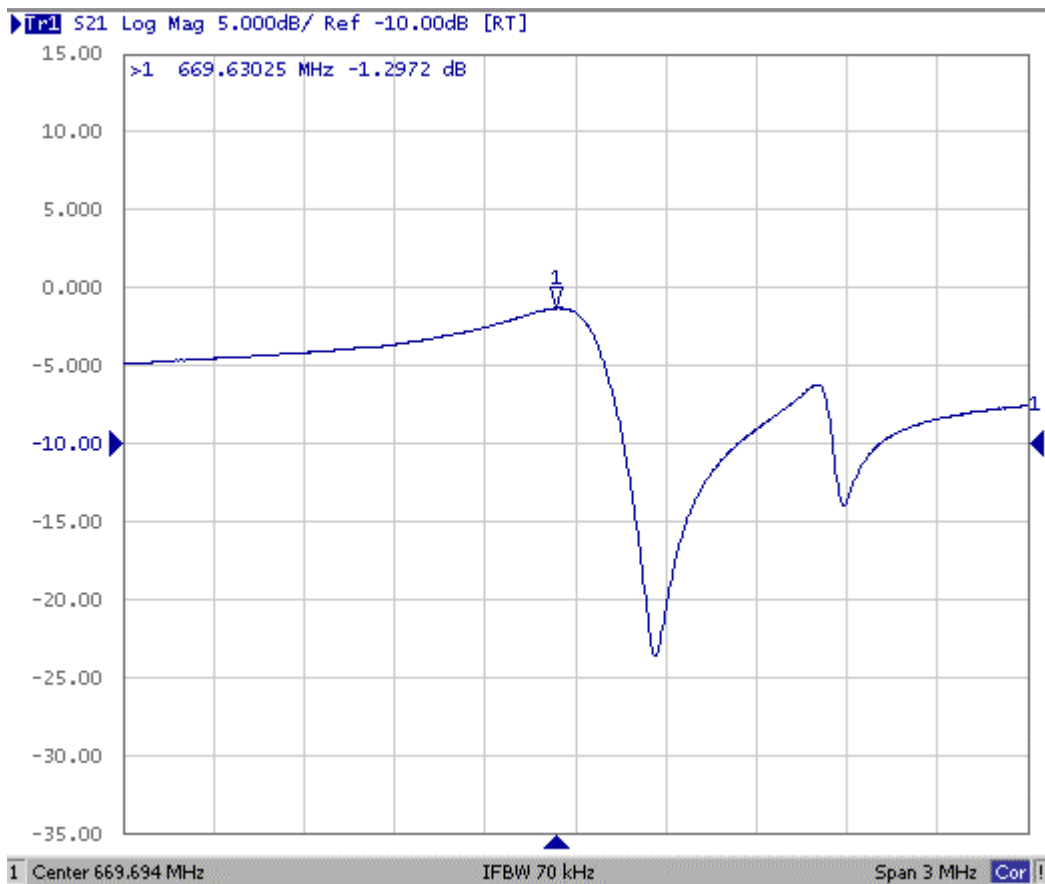


E. OUTLINE DRAWING:



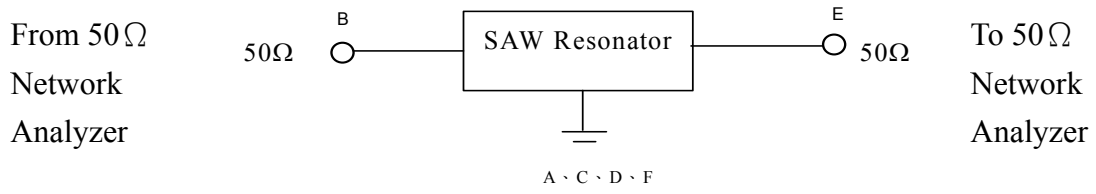
Date code: Provided by planer each year
 Year code: 7 for 2007, 8 for 2008, ...

F. FREQUENCY CHARACTERISTICS

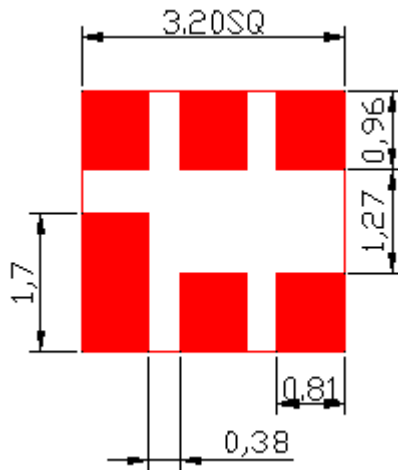


G. TEST CIRCUIT:

Network analyzer

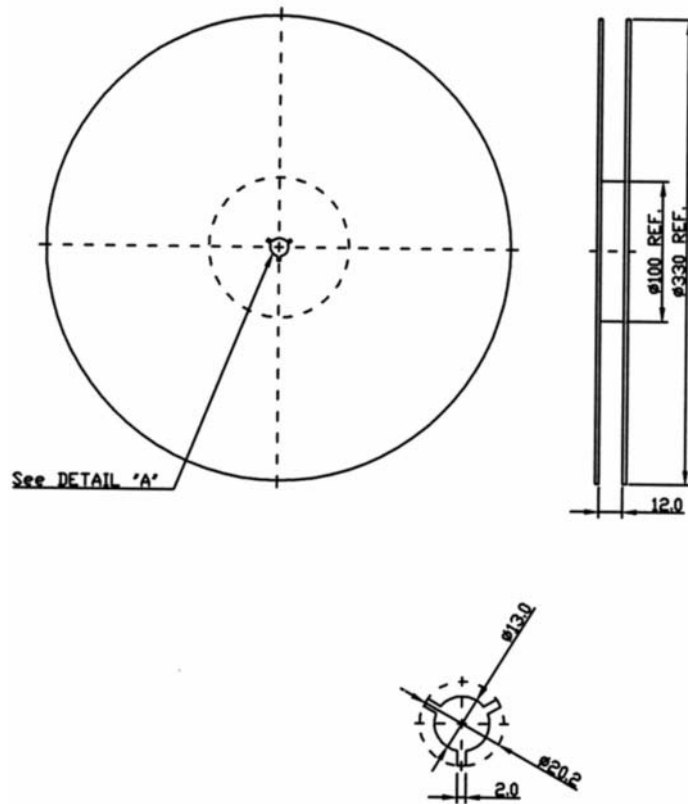


H. LAND PATTERN:

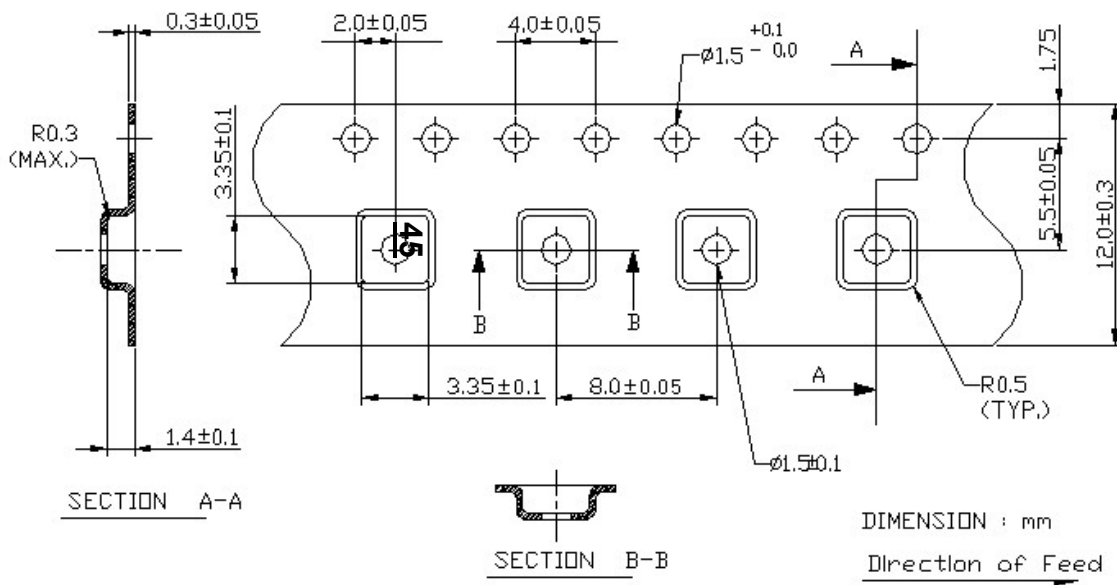


I. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



J. RECOMMENDED REFLOW PROFILE:

