



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 400 MHz SMD 3X3 mm

TST Parts No.: TC0523A

Customer Parts No.: _____

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

Checked by: Paul Ni Paul

Approval by: Francis Chen Francis Chen

Date: 2009/03/24



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SAW Resonator 400 MHz

MODEL NO.: TC0523A

REV. NO.: 1.0

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

1. Input Power Level: 10 dBm

2. DC voltage: 5 V

3. Operating Temperature: -40°C to +85°C

4. Storage Temperature: -40°C to +85°C

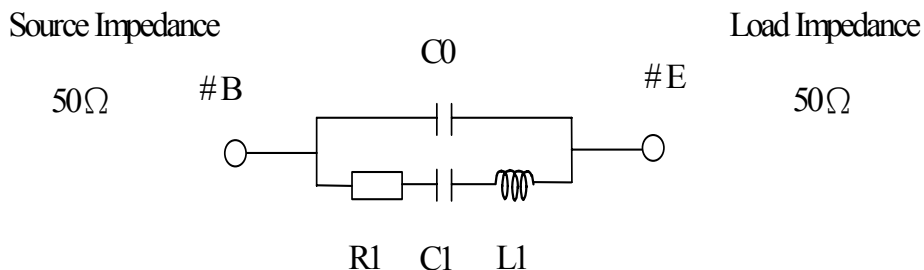
C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	399.925	400	400.075
Insertion Loss IL	dB	-	0.9	2.0
Equivalent Elements				
Motional capacitance C1	fF	-	3.9	-
Motional inductance L1	μH	-	40.5	-
Motional resistance R1	Ohm	-	11.2	-
Parallel capacitance Co	pF	-	5.3	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	-	25	-
Package size		SMD 3.0X3.0X1.4mm		

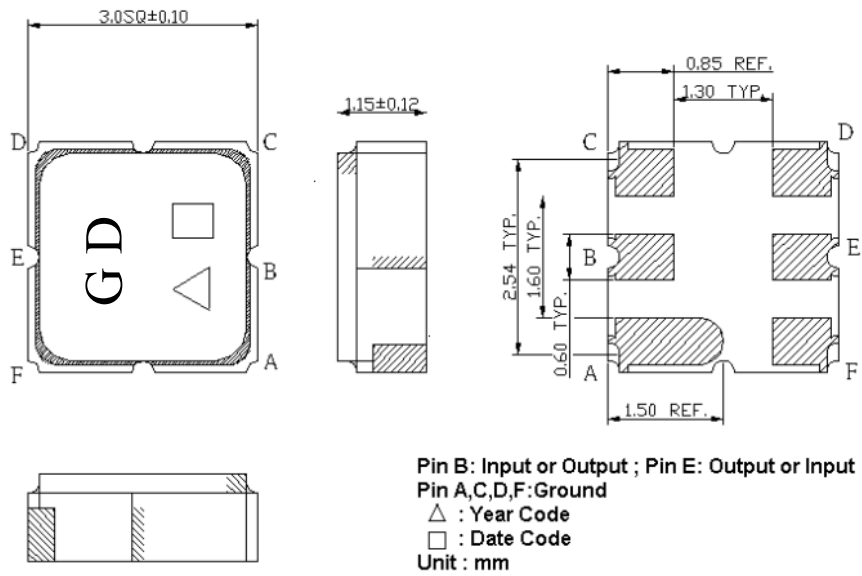
RoHS Compliant
Lead free
Lead-free soldering

D. EQUIVIRENT CIRCUIT:

One-Port Resonator:



E. OUTLINE DRAWING:

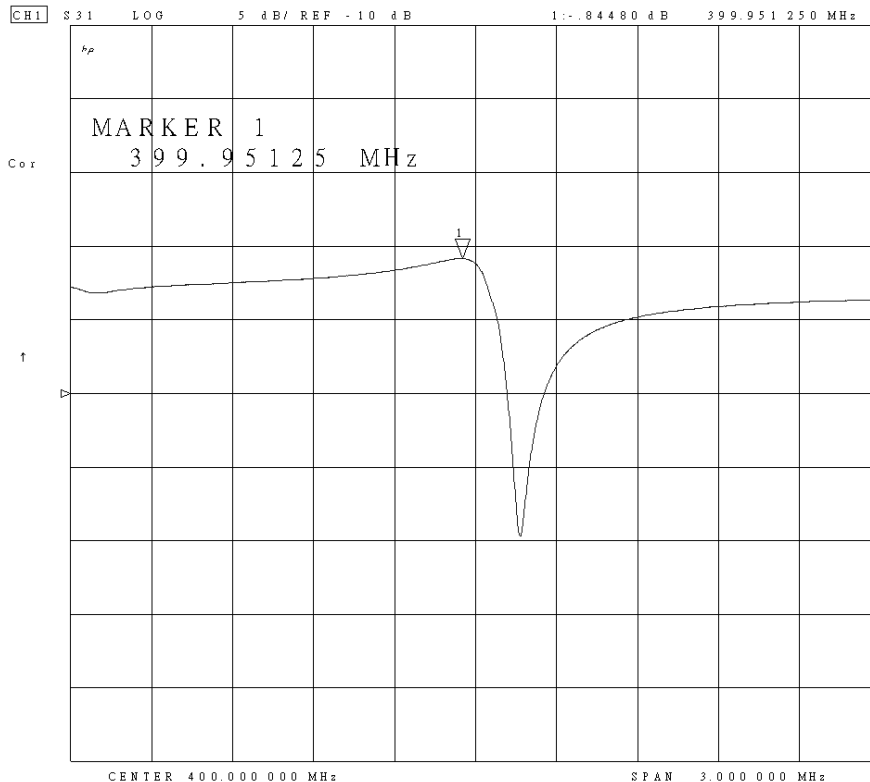


Date code: Provided by planer each year

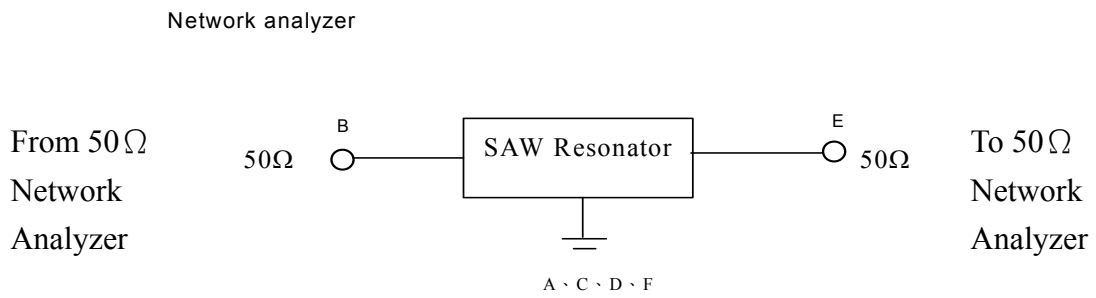
Δ Year code : See the table

Year	2009	2010	2011	...	2019	2020
Code	9	0	1	...	9	0

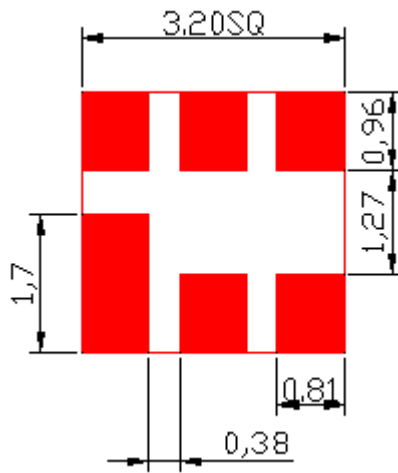
F. FREQUENCY CHARACTERISTICS



G. TEST CIRCUIT:

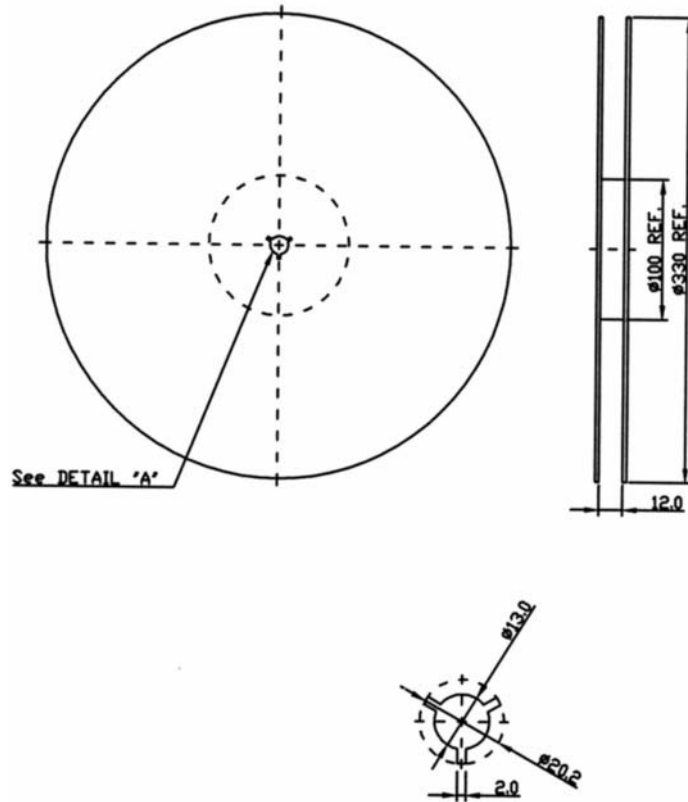


H. LAND PATTERN:

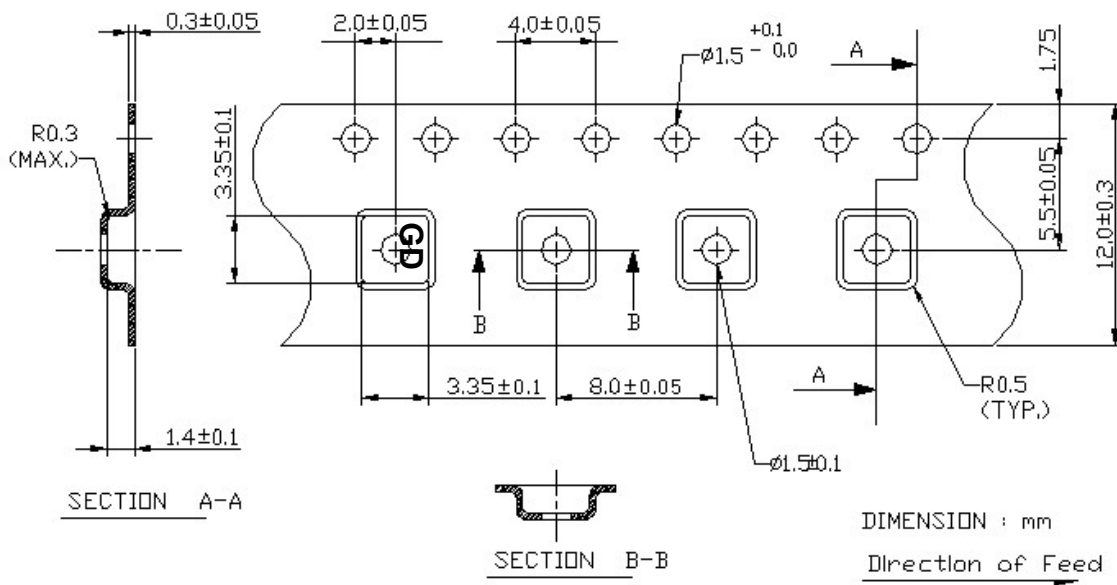


I. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



J. RECOMMENDED REFLOW PROFILE:

