TAI-SAW TECHNOLOGY CO., LTD.
No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: SAW Resonator 644.873 MHz SMD 3.0X3.0 mm

TST Part No.: TC0532A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Paul Ni Paul Ni

Approved by: Francis Chen

Date: 2009/9/11

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.

TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

SAW Resonator 644.873 MHz

MODEL NO.: TC0532A REV. NO.: 1.0

RoHS Compliant
Lead free
Lead-free soldering

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

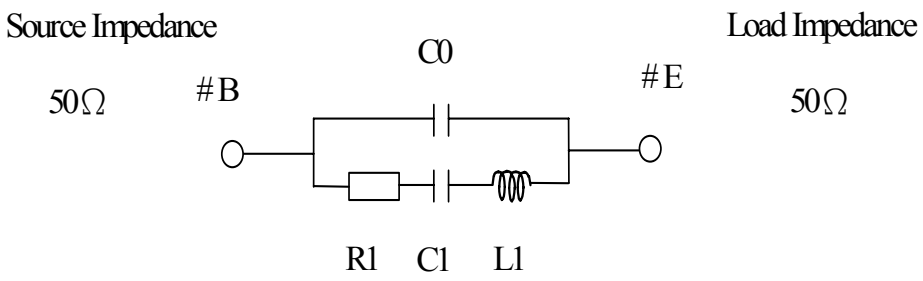
4.Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

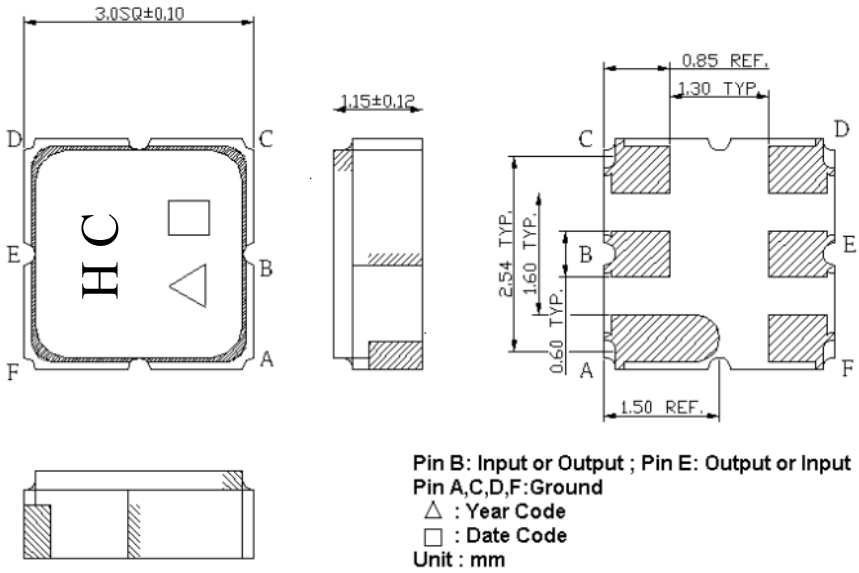
Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	644.843	644.873	644.903
Insertion Loss **IL**	**dB**	-	1.36	2.0
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	1.29	-
Motional inductance **L1**	**μH**	-	47.3	-
Motional resistance **R1**	**Ohm**	-	16.0	-
Parallel capacitance **Co**	**pF**	-	2.68	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	-	25	-
Package size		SMD 3.0X3.0X1.4mm		

D.EQUVIRENT CIRCUIT:

One-Port Resonator:



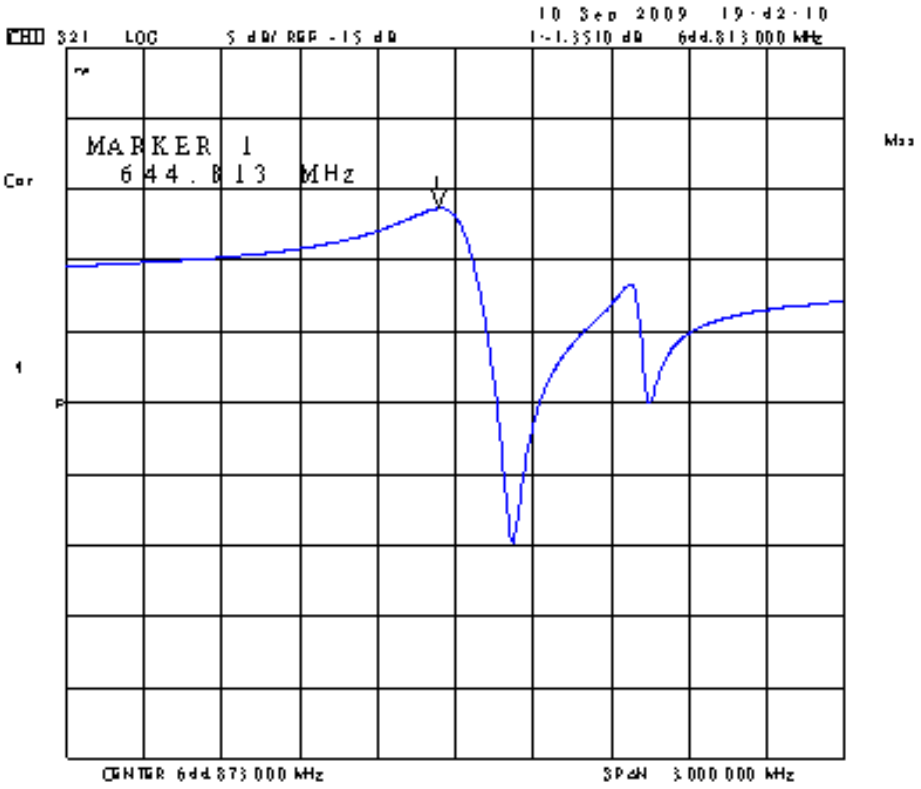
E.OUTLINE DRAWING:



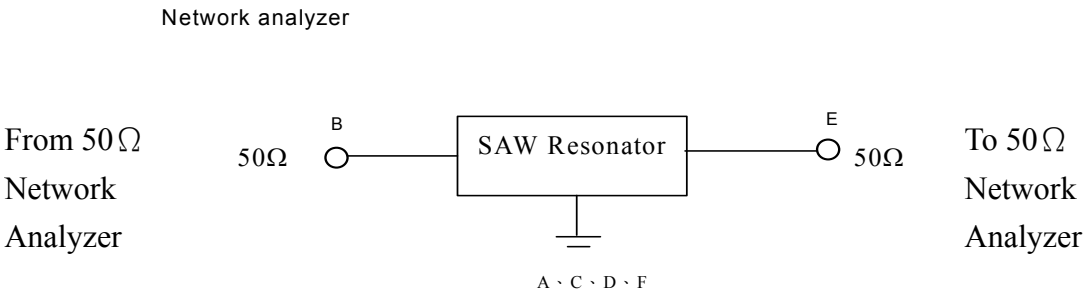
Date code: Provided by planer each year

Year code: 9 for 2009,0 for 2010,…,9 for 2019

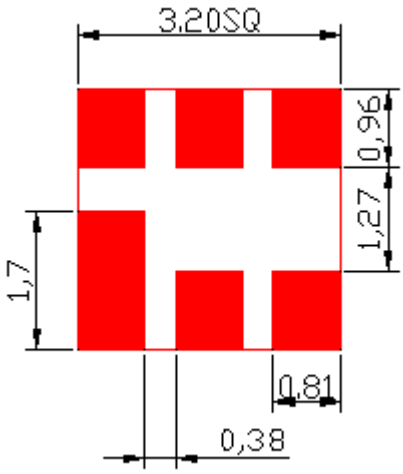
F. FREUENCY CHARACTERISTICS



G. TEST CIRCUIT:

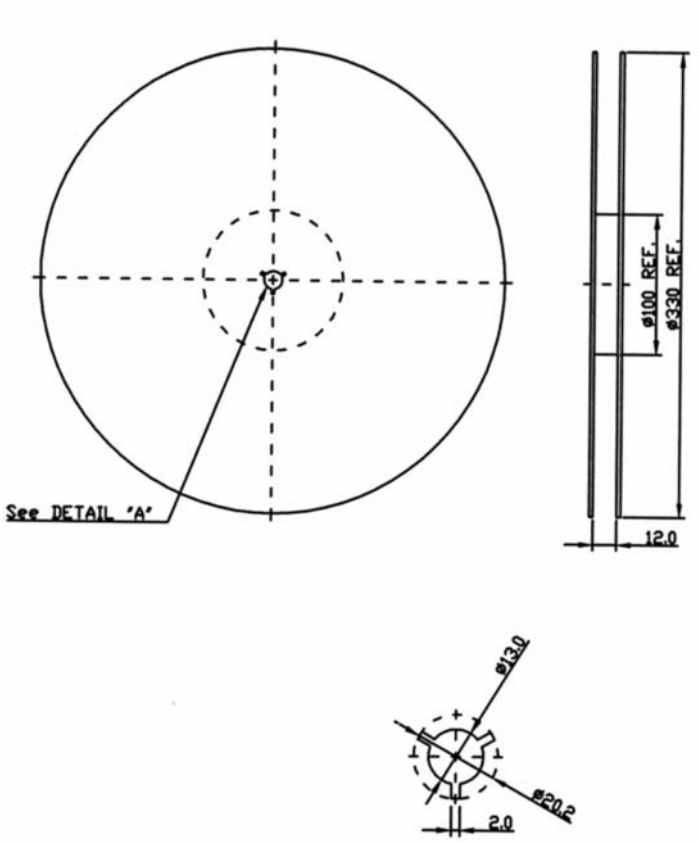


H. LAND PATTERN:

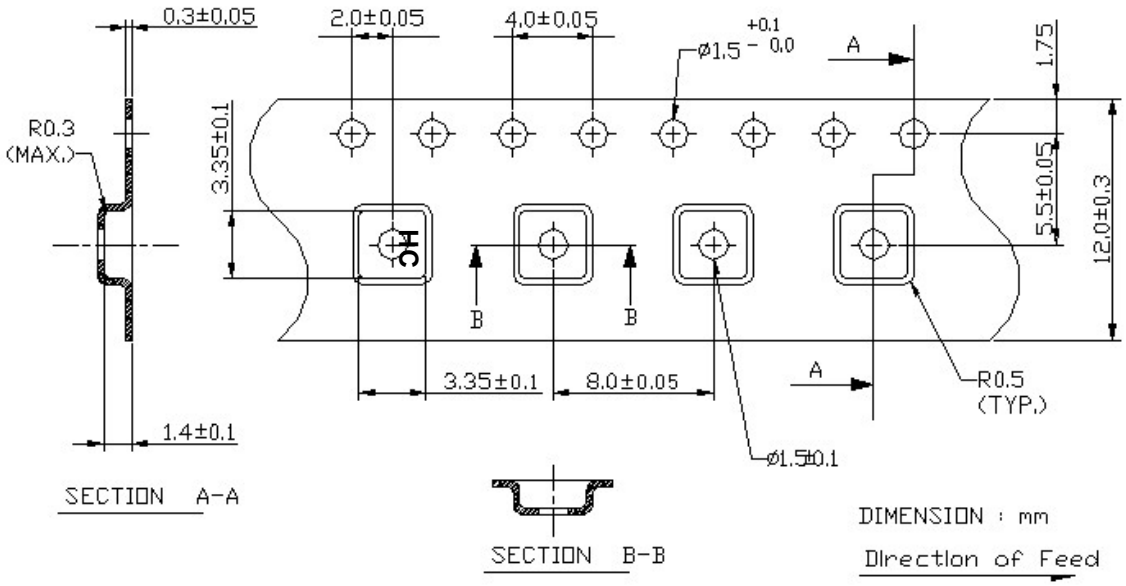


I. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



J. RECOMMENDED REFLOW PROFILE:

