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 Name: SAW Resonator 840 MHz SMD 3.8X3.8 mm

TST Parts No.: TC0327BA3510

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Hong Pu Lin Hong Pu Lin

Approval by:_____ Andy Yu Andy Yu

Date:_____ 2020/09/15

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

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SAW Resonator 840 MHz

MODEL NO.: TC0327BA3510 REV. NO.:1

A. FEATURES:

1. 1-Port Resonator.

RoHS Compliant
Lead-free soldering

B. MAXIMUM RATING:

1.Input Power Level: 0 dBm

2.DC voltage: 12 V

Electrostatic **S**ensitive **D**evice

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

4.Storage Temperature: -40°C to +85°C

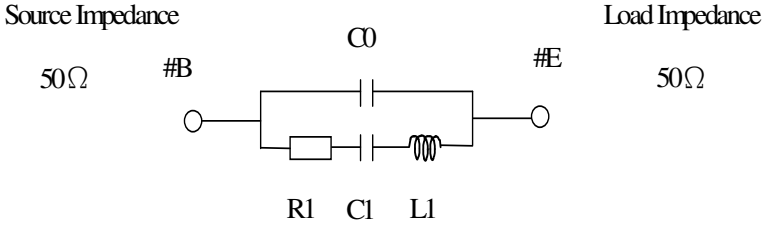
5. Moisture Sensitive Level (MSL): Level 1

C. ELECTRICAL CHARACTERISTICS:

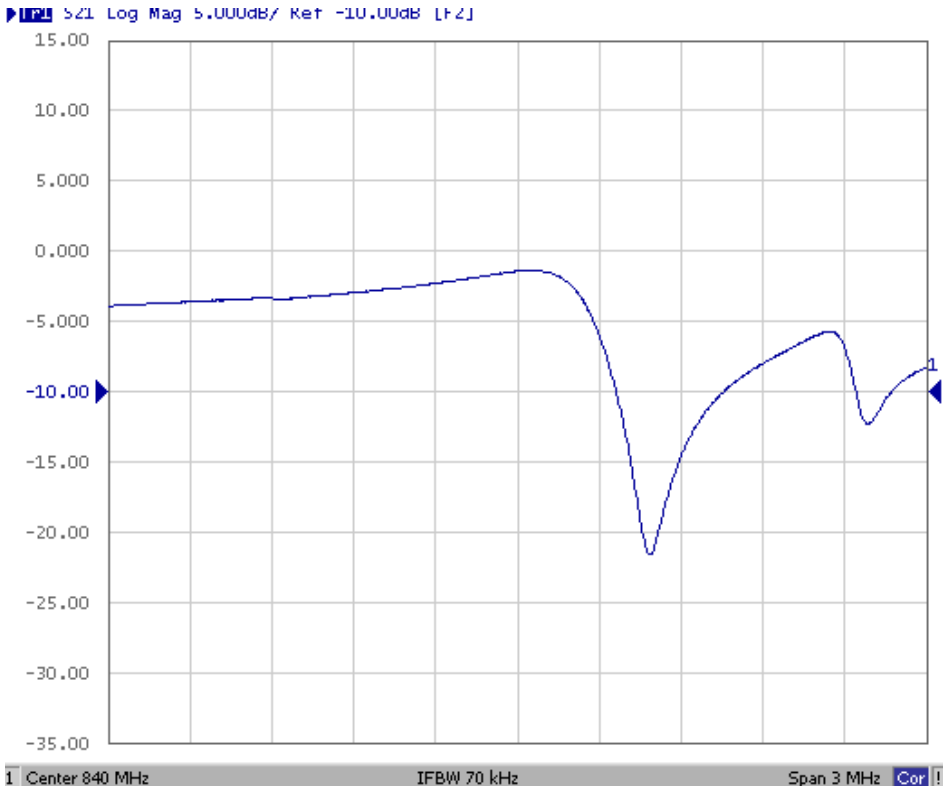
Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	839.950	840	840.050
Insertion Loss **IL**	**dB**		1.3	2.0
Unloaded Quality factor		-	8000	-
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	1.36	-
Motional inductance **L1**	**μH**	-	26.2	-
Motional resistance **R1**	**Ohm**	-	17	-
Parallel capacitance **Co**	**pF**	-	2.46	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	-	25	-
Package size		SMD 3.8X3.8X1.4mm		

D.EQUVIRENT CIRCUIT:

One-Port Resonator:

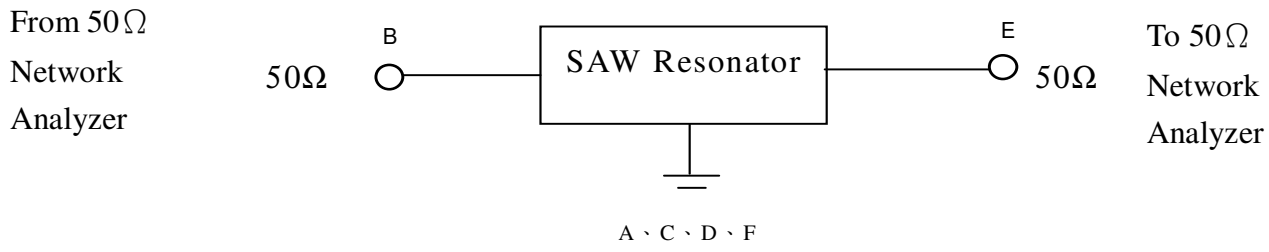


E.FREQUENCY CHARACTERISTICS:



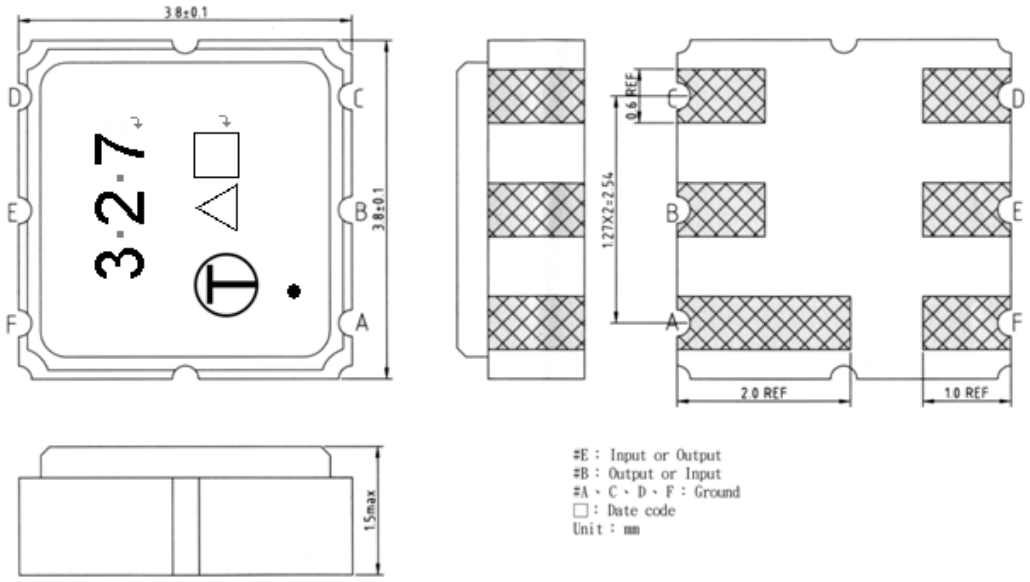
F. TEST CIRCUIT:

Network analyzer



A、C、D、F

G.OUTLINE DRAWING:

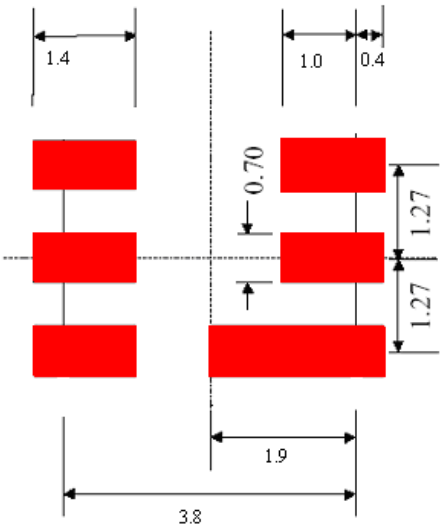


□ Date code: Provided by planer each year

△ Product Year Code

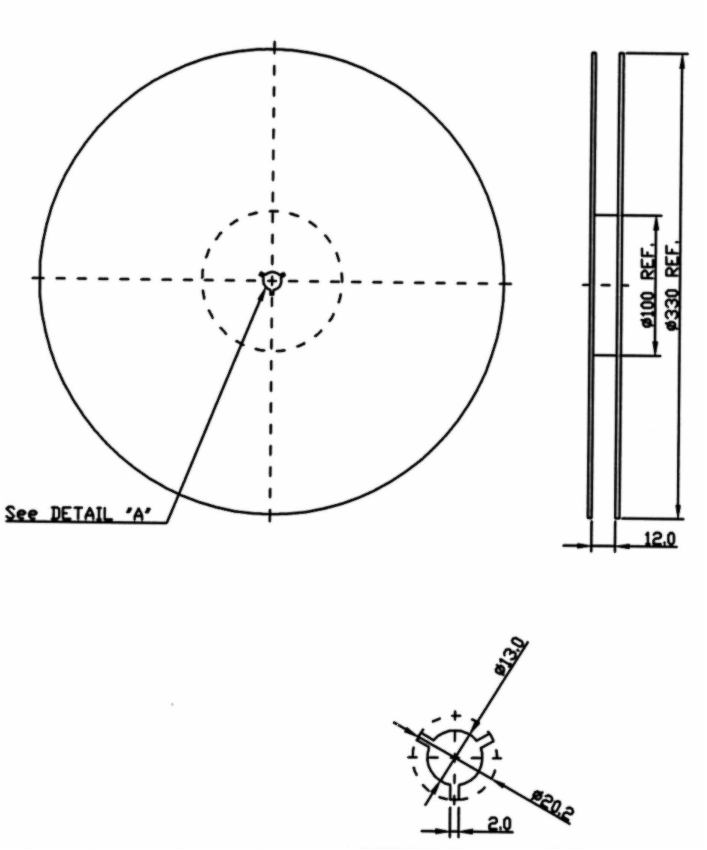
Year	2005 2007 .	2006 2008 .
Product Code	C	c

H. PCB FOOTPRINT:

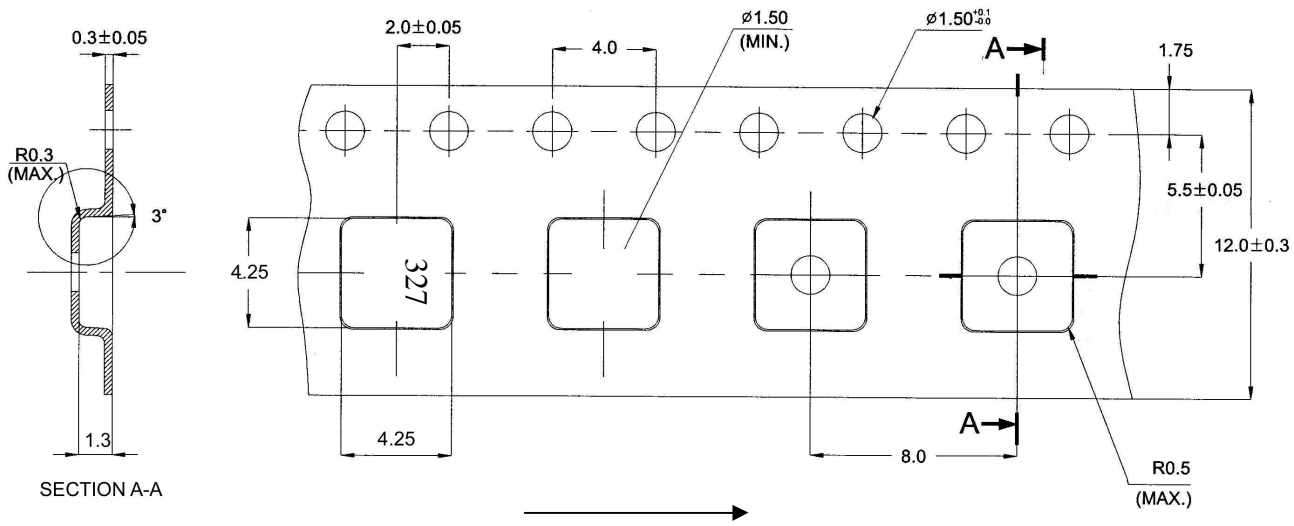


I. PACKING:

1.REEL DIMENSION



2. TAPE DIMENSION



J. REFLOW PROFILE

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.

