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 303.825 MHz SMD 5.0X3.5 mm

TST Part No.: TC0541A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Paul Ni Paul Ni

Approved by: Francis Chen

Date: 2009/10/26

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 303.825 MHz

MODEL NO.: TC0541A 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: 5 V

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

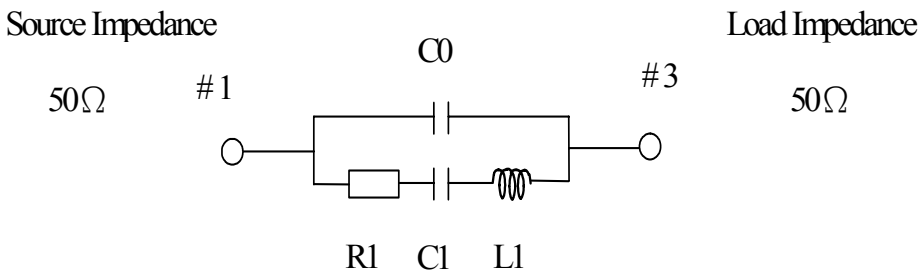
4.Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

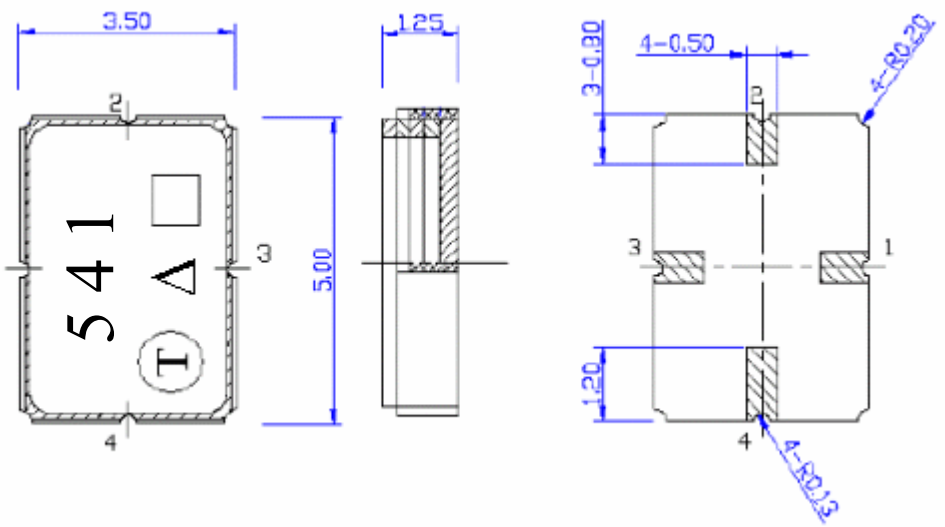
Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	303.750	303.825	303.900
Insertion Loss **IL**	**dB**	-	1.23	2.0
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	2.82	-
Motional inductance **L1**	**μH**	-	97.3	-
Motional resistance **R1**	**Ohm**	-	13.79	-
Parallel capacitance **Co**	**pF**	-	4.4	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	-	25	-
Package size		SMD 5.0X3.5X1.4mm		

D.EQUVIRENT CIRCUIT:

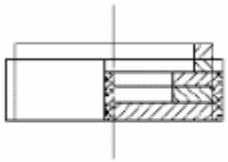
One-Port Resonator:



E.OUTLINE DRAWING:



Pin 1 : Input
Pin 3 : Output
Pin 2,4 : Ground

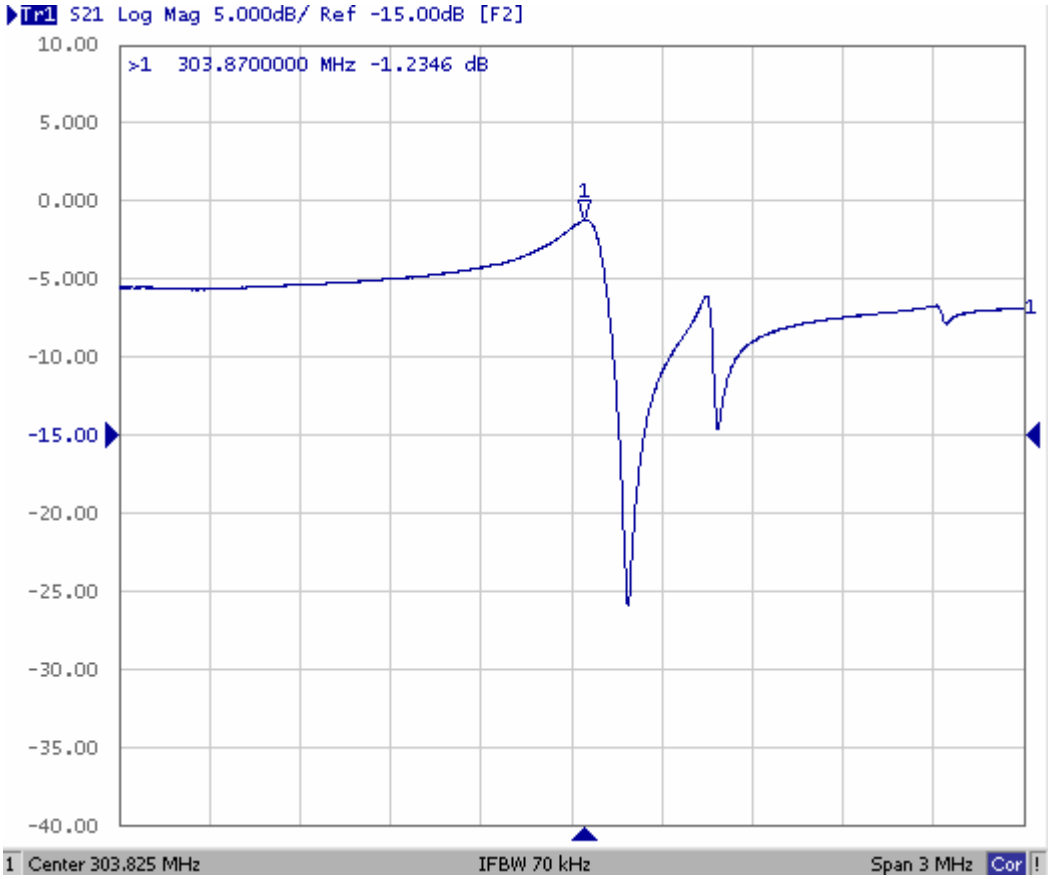


Year	2009 2011	2010 2012
Year Code	C	c

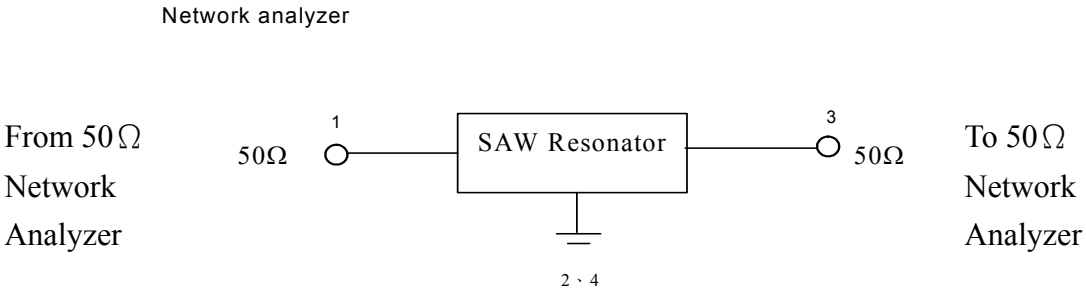
Δ : Year Code

□ : Data Code(provided by planer each year)

F. FREUENCY CHARACTERISTICS

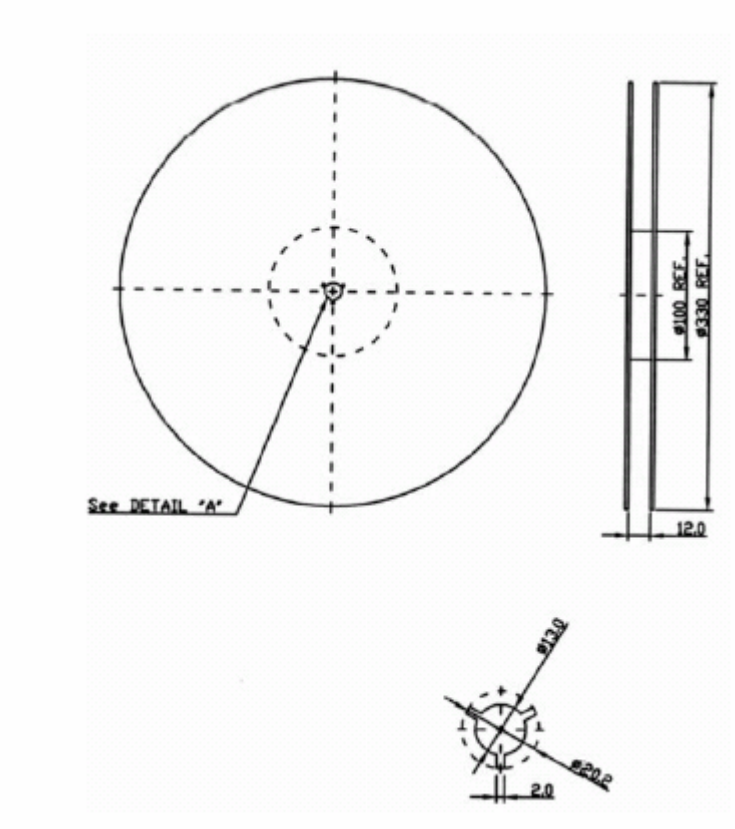


G. TEST CIRCUIT:

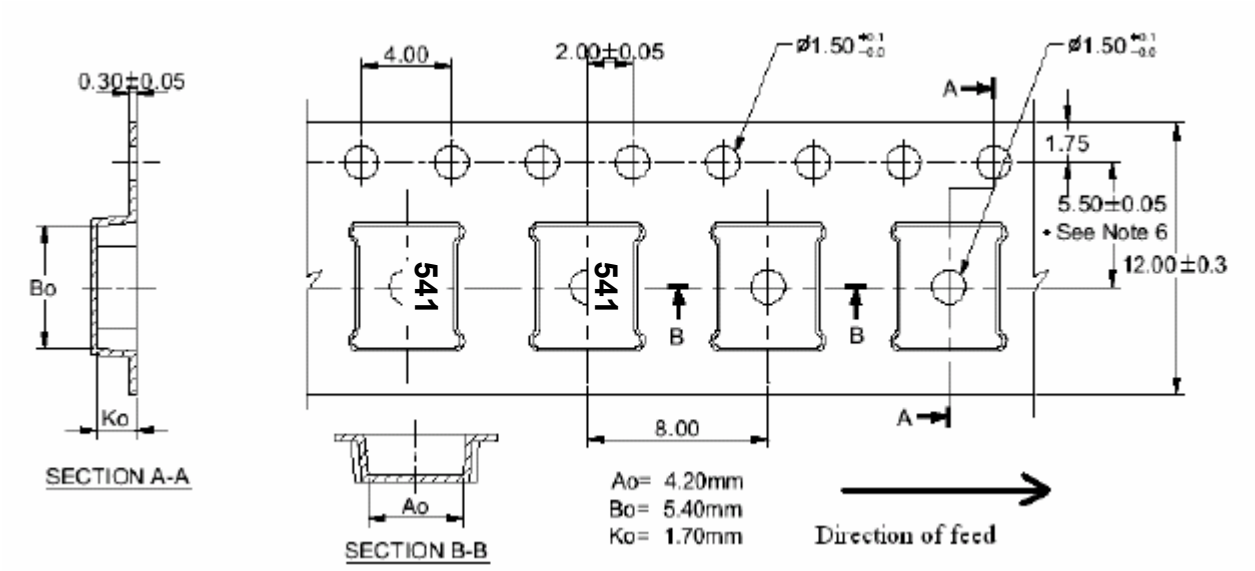


H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



I. RECOMMENDED REFLOW PROFILE:

