

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: S	AW Resonator 304	MHz SMD 5.0×3.5mm
TST Parts No.:TC0540	Α	
Customer Parts No.:		
Customer signatur	e required	
Company:		
Division:		
Approved by :		
Date:		
Checked by:	Hongpu Lin	Hong Pu Lin
Approval by:		Andrew M
Date:		

- 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.

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SAW Resonator 304 MHz

MODEL NO.: TC0540A **REV. 2.0**

A.FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

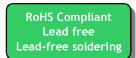
1. Input Power Level: 0 dBm

2. DC Voltage: 5 V

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

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

5. Moisture Sensitive Level (MSL): Level 1

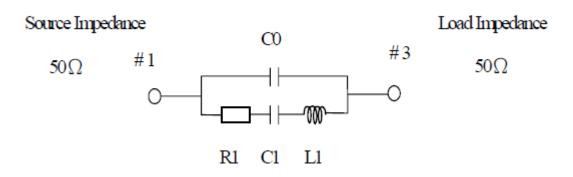


C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	303.925	304	304.075
Insertion Loss IL	dB	-	1.23	2.0
Equivalent Elements				
Motional capacitance C1	fF	-	2.94	-
Motional inductance L1	μ H	-	93.20	-
Motional resistance R1	Ohm	-	14.26	-
Parallel capacitance Co	pF	-	4.50	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	-	25	-
Package size		SMD 5.0X3.5X1.4mm		

D.EQUVIRENT CIRCUIT:

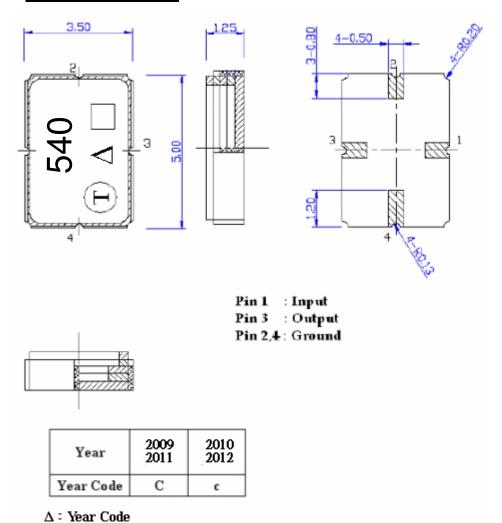
One-Port Resonator:



TAI-SAW TECHNOLOGY CO., LTD.

TST DCC Release document

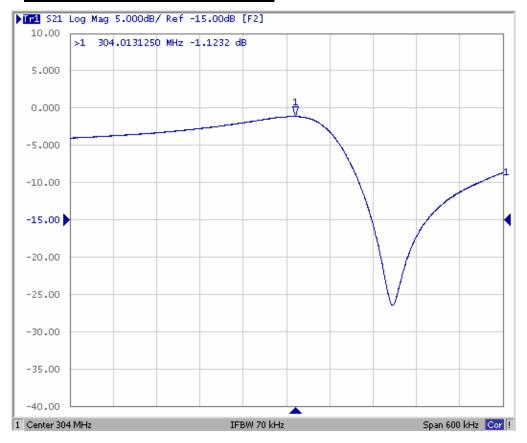
E.OUTLINEDRAWING:



🛘 : Data Code(provided by planer each year)

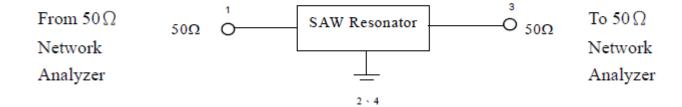
TST DCCRelease document

F.FREUENCY CHARACTERISTICS:



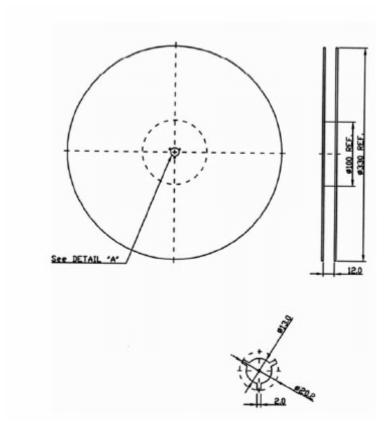
G.TEST CIRCUIT:

Network analyzer

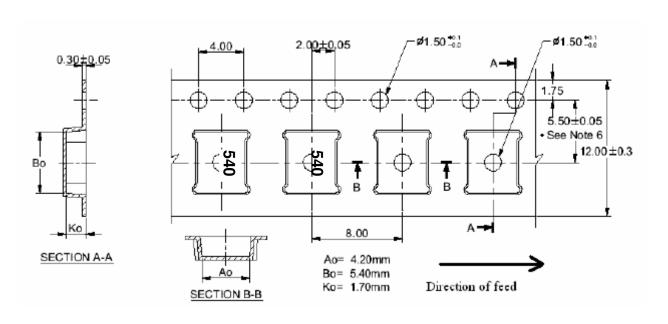


H.PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



I. RECOMMENDED REFLOW PROFILE:

- 1. Preheating shall be fixed at $150\sim180^{\circ}$ C for $60\sim90$ seconds.
- 2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
- 3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C+0/-5°C peak (20~40sec).
- 4. Time: 2 times.

