



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: SAW Resonator 1033.333 MHz SMD 3.8×3.8mm

TST Parts No.:TC0556A

Customer Parts No.:_____

Customer signature required
Company:_____
Division:_____
Approved by :_____
Date:_____

Checked by:_____ Hongpu Lin *Hong Pu Lin*

Approval by:_____ Andy Yu *Andy Yu*

Date:_____ 2019/04/25

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 1033.333 MHz

MODEL NO.: TC0556A

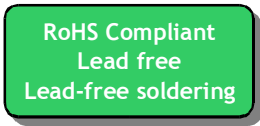
REV. 2.0

A. FEATURES:

- 1-Port Resonator.

B. MAXIMUM RATING:

1. Input Power Level: 0 dBm
2. DC Voltage : 3 V
3. Operating Temperature:-40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level (MSL): Level 1

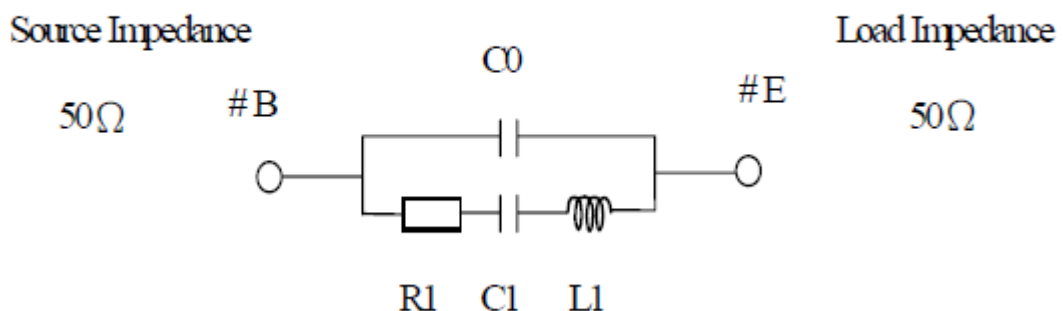


C. ELECTRICAL CHARACTERISTICS:

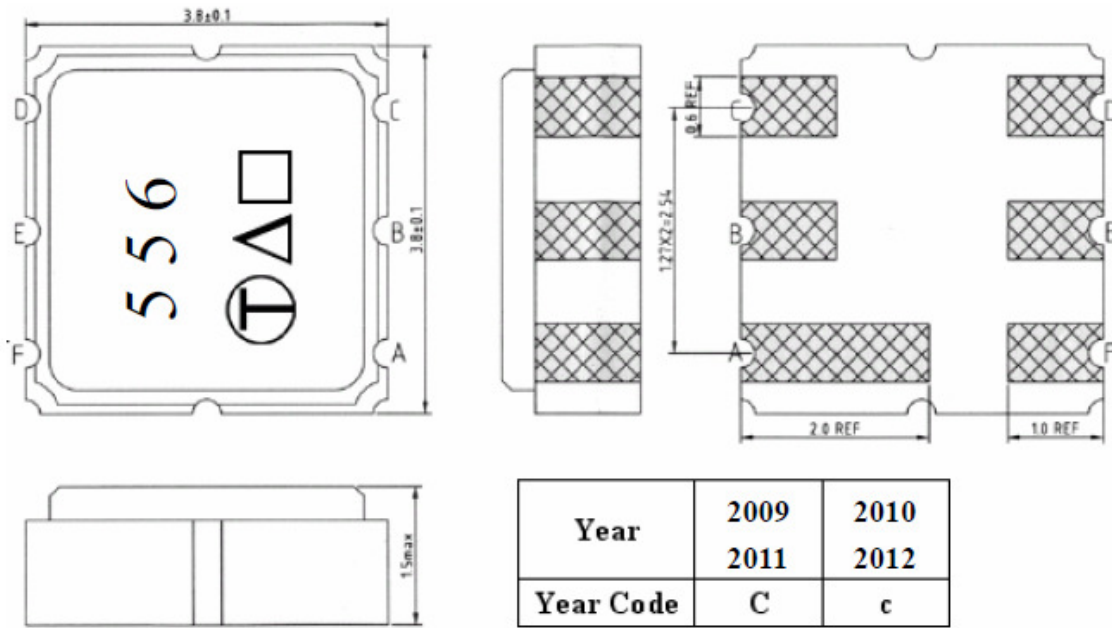
Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	1033.283	1033.333	1033.383
Insertion Loss IL	dB	-	1.5	2.0
Equivalent Elements				
Motional capacitance C1	fF	-	1.25	-
Motional inductance L1	μ H	-	19	-
Motional resistance R1	Ohm	-	15	-
Parallel capacitance Co	pF	-	2.3	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	5	20	35
Package size		SMD 3.8X3.8X1.4mm		

D. EQUIVRENT CIRCUIT:

One-Port Resonator:

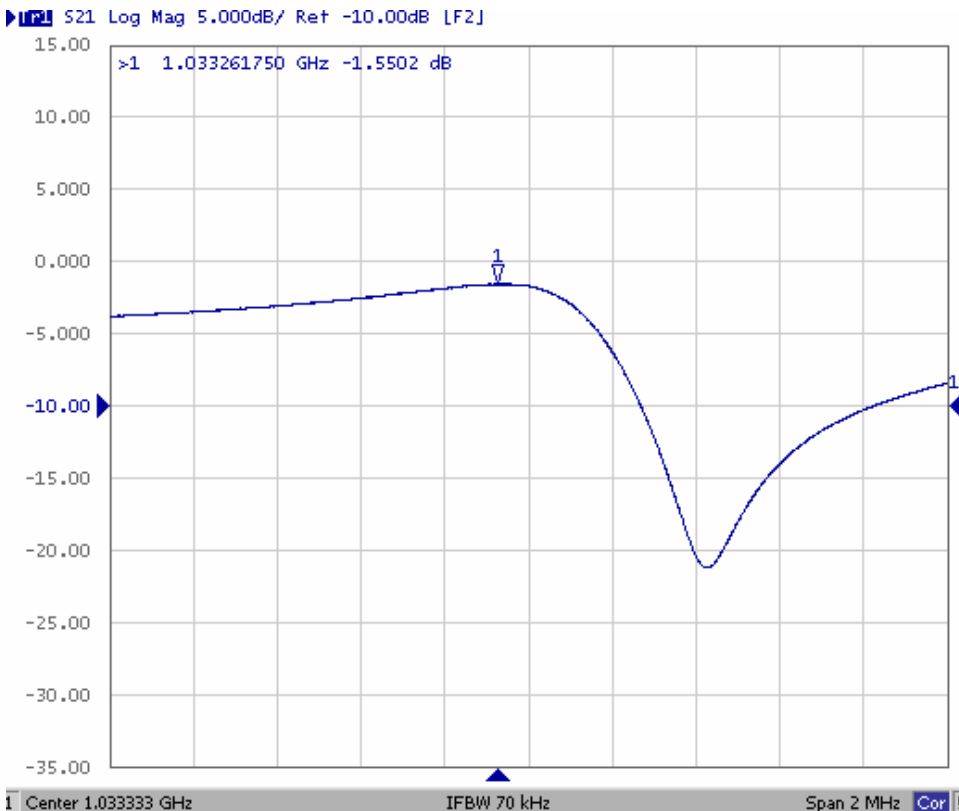


E. OUTLINEDRAWING:

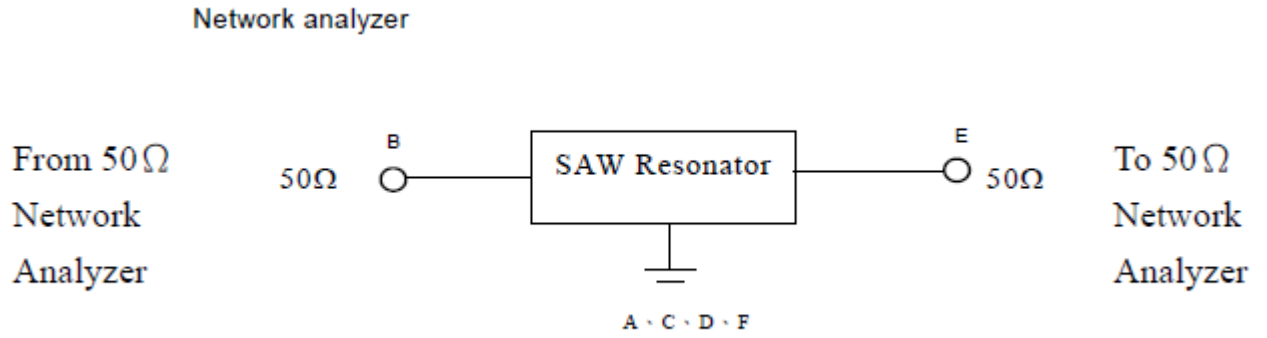


- #E : Input or Output
- #B : Output or Input
- #A、C、D、F : Ground
- Δ : Year Code
- : Data Code(Follow the table provided by planer each year)

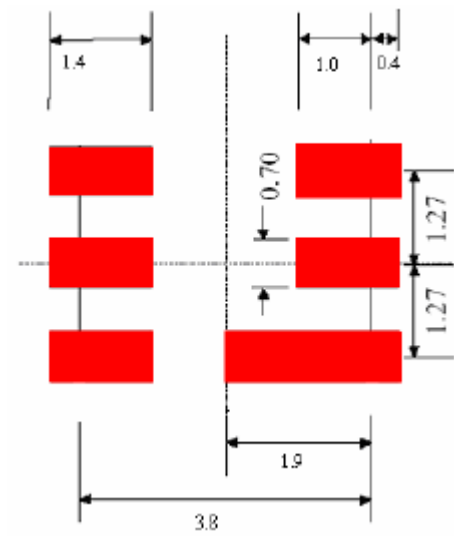
F.FREQUENCY CHARACTERISTICS:



G.TEST CIRCUIT:

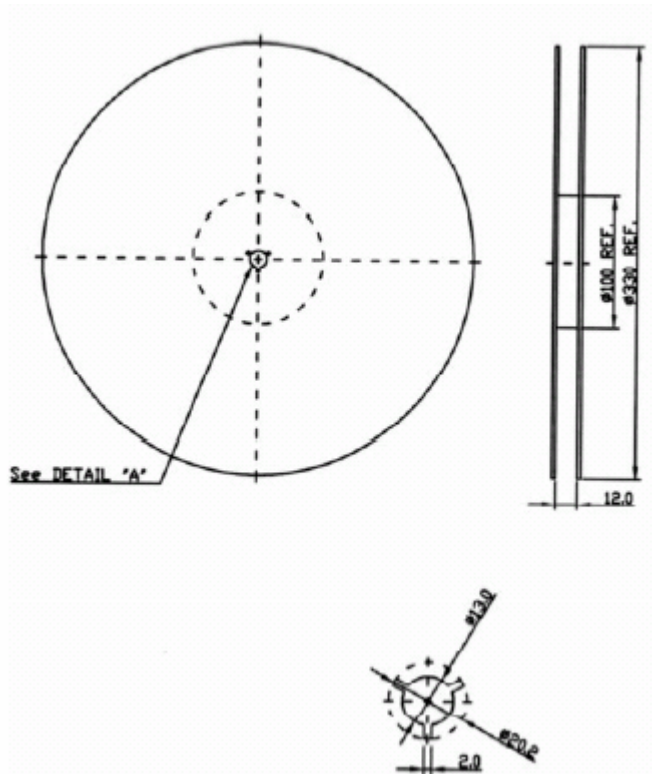


H.PCB FOOTPRINT:

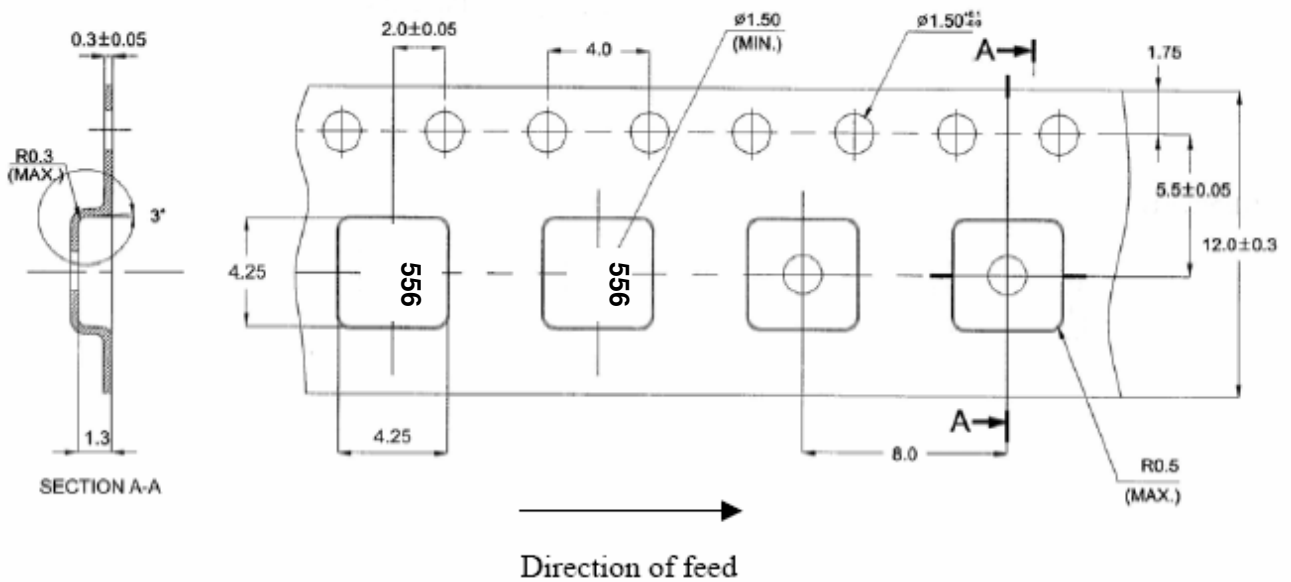


I. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



J. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°C for 60~90 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.

