



TAI-SAW TECHNOLOGY CO., LTD.

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

Issued Date:

Product Name: One port SAW Resonator 314.2MHz SMD 5X5mm

TST Parts No.: TC0173A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: Jacky Huang

Approval by: Vincent Lee

Date: _____



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SAW Resonator 314.200 MHz

MODEL NO.: TC0173A

REV. NO.:2

A. FEATURES:

- 1-Port Resonator.

B. MAXIMUM RATING:

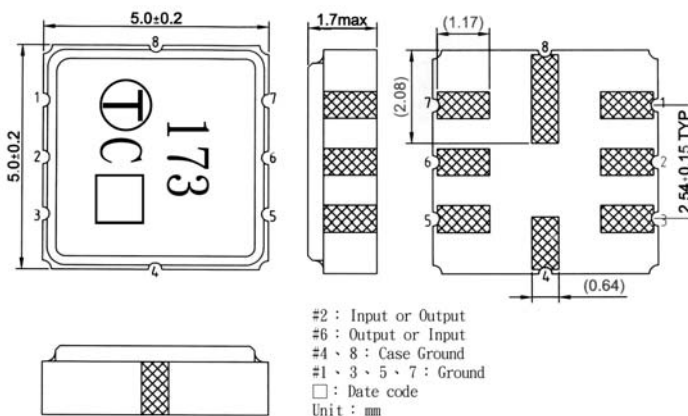
- 1.Power Dissipation: 0 dBm.
- 2.DC voltage: 12 V.
- 3.Storage Temperature: -40 °C to 85 °C.
- 4.Operating Temperature:-40 °C to 85 °C

RoHS Compliant
Lead free
Lead-free soldering

C. ELECTRICAL CHARACTERISTICS:

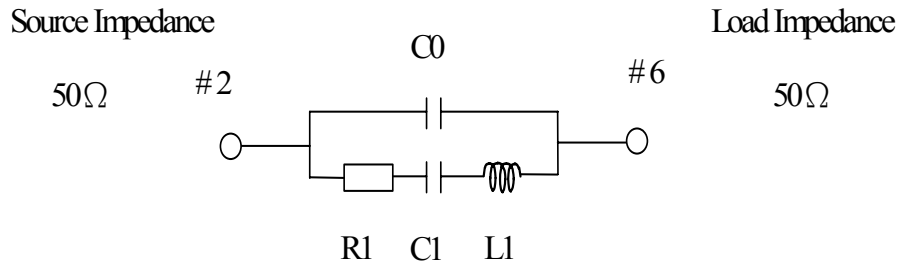
Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	314.100	314.200	314.300
Insertion Loss IL	dB	-	0.9	2.0
Equivalent Elements				
Motional capacitance C1	fF	-	3.76	-
Motional inductance L1	μH	-	68	-
Motional resistance R1	Ohm	-	10.35	25
Parallel capacitance Co	pF	-	5.62	-
Temp.coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	10	-	40
Package size		SMD5X5X1.4mm		

D. OUTLINE DRAWING:

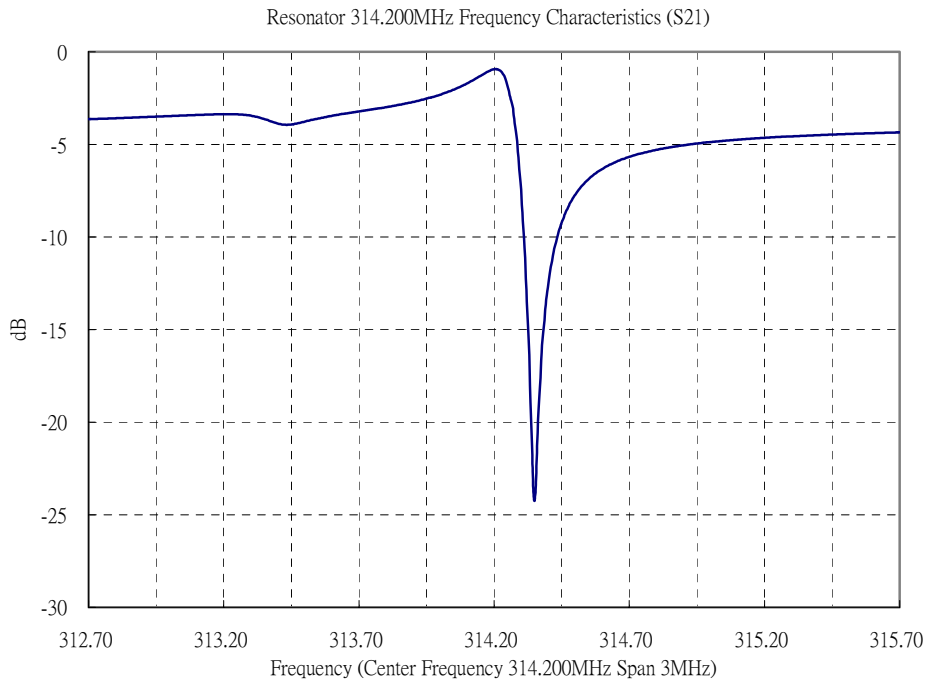


E. EQUIVALENT CIRCUIT:

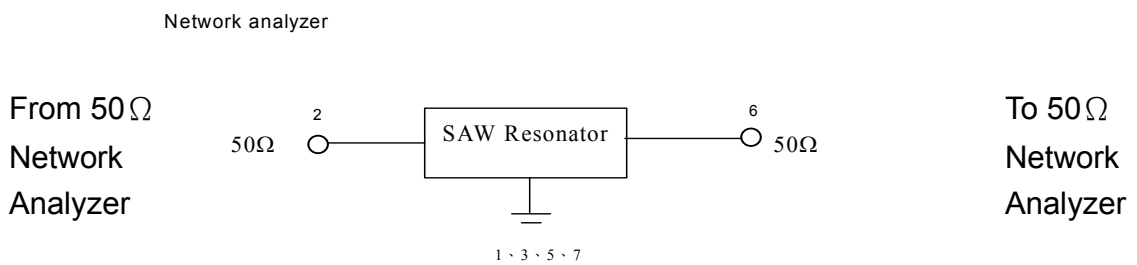
One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:

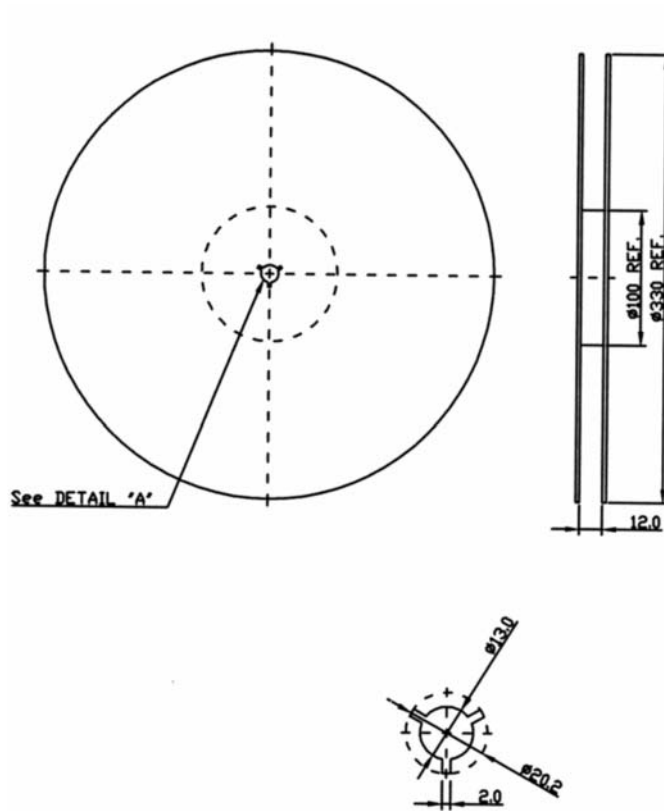


G. TEST CIRCUIT:

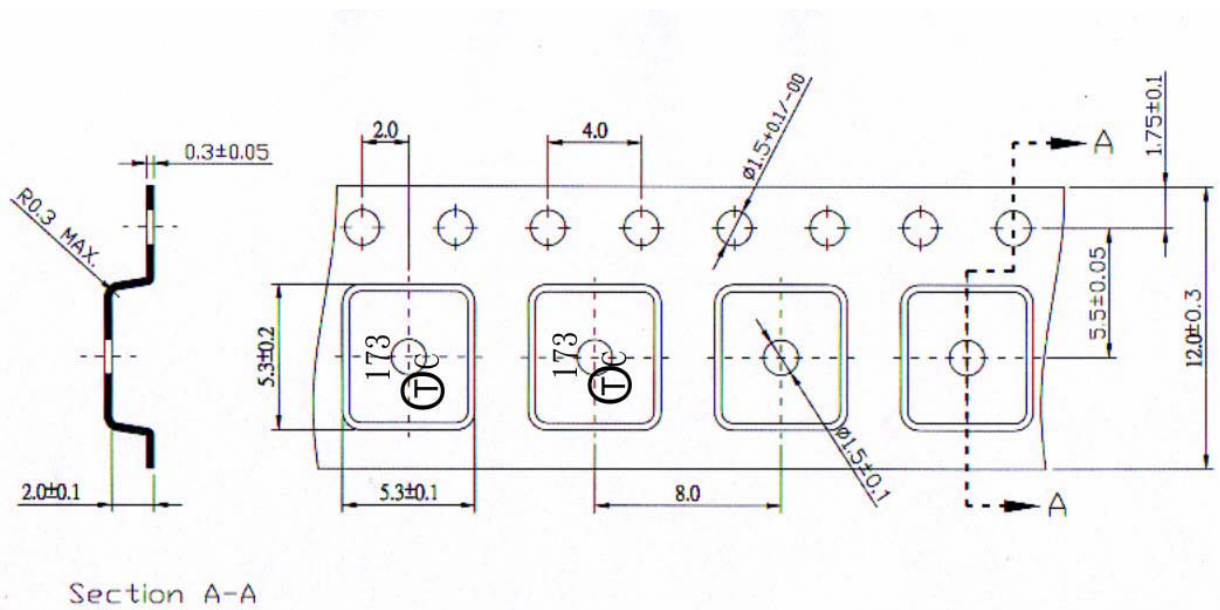


H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Section A-A