



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

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: _____



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

SAW Resonator 314.200 MHz

MODEL NO.: TC0173A

REV. NO.:2

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

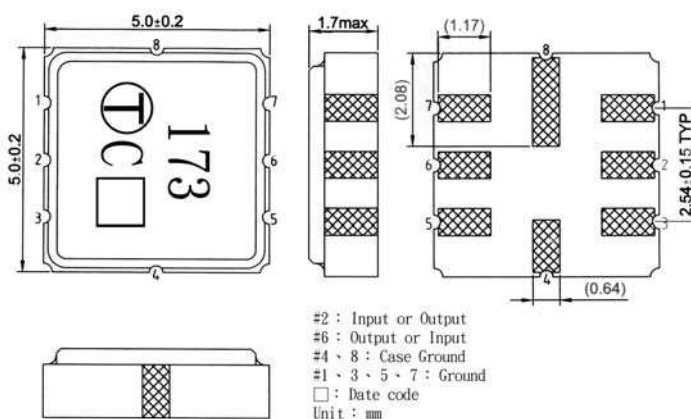
1. Power Dissipation: 0 dBm.
2. DC voltage: 12 V.
3. Storage Temperature: -40 °C to 85 °C.
4. Operating Temperature: -40 °C to 85 °C

RoHS Compliant
Lead free
Lead-free soldering

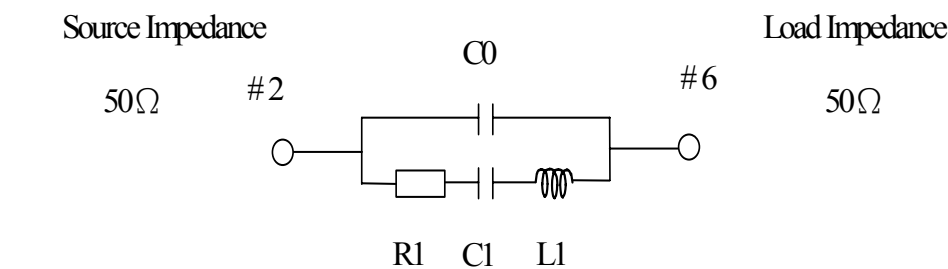
C. ELECTRICAL CHARACTERISTICS:

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		

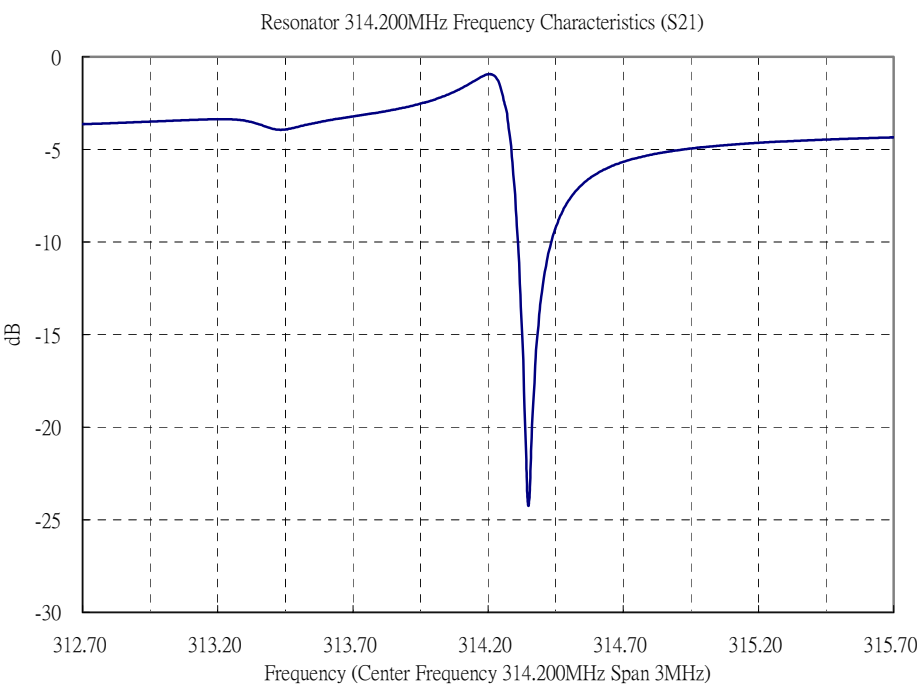
D. OUTLINE DRAWING:



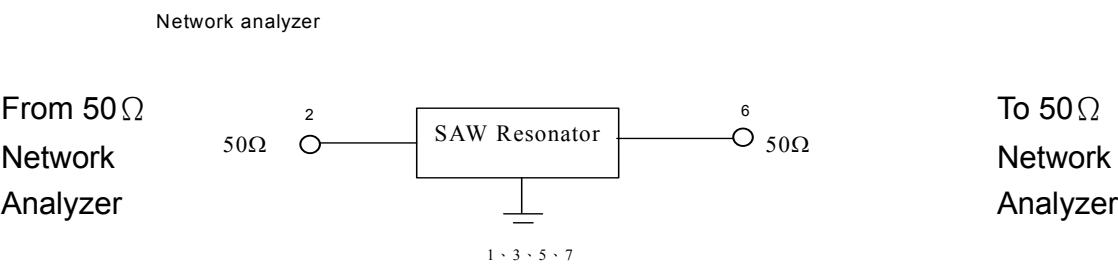
E. EQUVIRENT CIRCUIT:
 One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:



G. TEST CIRCUIT:



1. REEL DIMENSION

