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: SAW Resonator 315.000 MHz SMD 5X5 mm

TST Parts No.: TC315GDB

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Vincent Liu

Approval by: Francis Chen

Date: 2003/6/18

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SAW Resonator 315 MHz

MODEL NO.: TC315GDB REV. NO.: 1

RoHS Compliant
Lead free
Lead-free soldering

A. FEATURES:

1. 1-Port Resonator.

B. MAXIMUM RATING:

1.Input Power Level: 0 dBm

2.DC voltage: 12 V

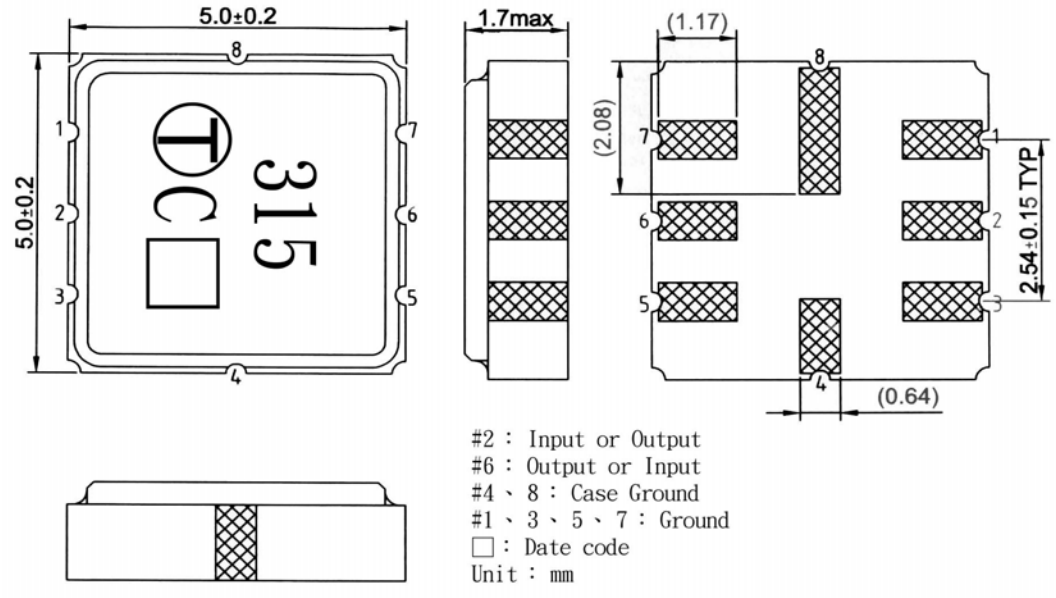
3.Operating Temperature: -40°C to +85°C

4.Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

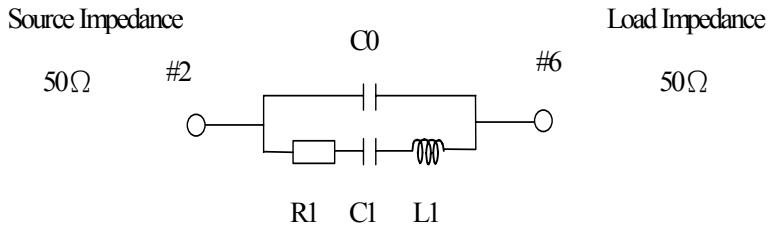
Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	314.985	315.000	315.015
Insertion Loss **IL**	**dB**	-	1.2	2.0
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	2.80	-
Motional inductance **L1**	**μH**	-	91.30	-
Motional resistance **R1**	**Ohm**	-	18.00	-
Parallel capacitance **Co**	**pF**	-	4.66	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	10	25	40
Package size		SMD 5X5X1.4mm		

D.OUTLINE DRAWING:

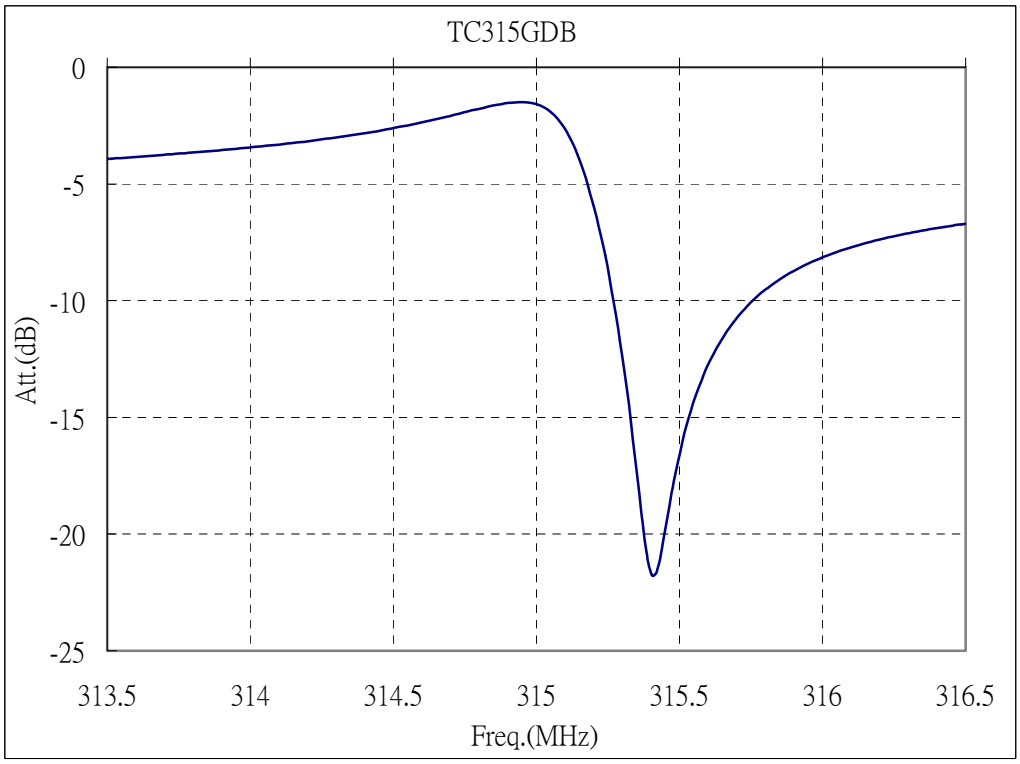


E.EQUVIRENT CIRCUIT:

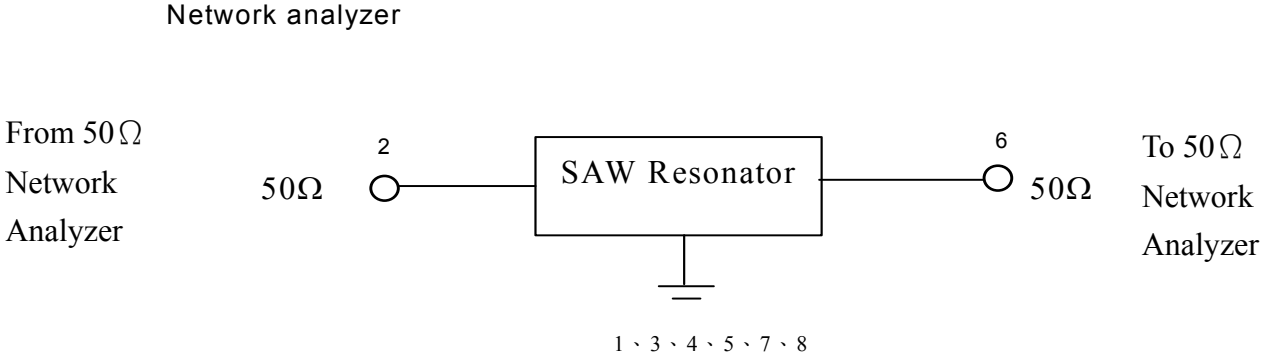
One-Port Resonator:



F.FREQUENCY CHARACTERISTICS:

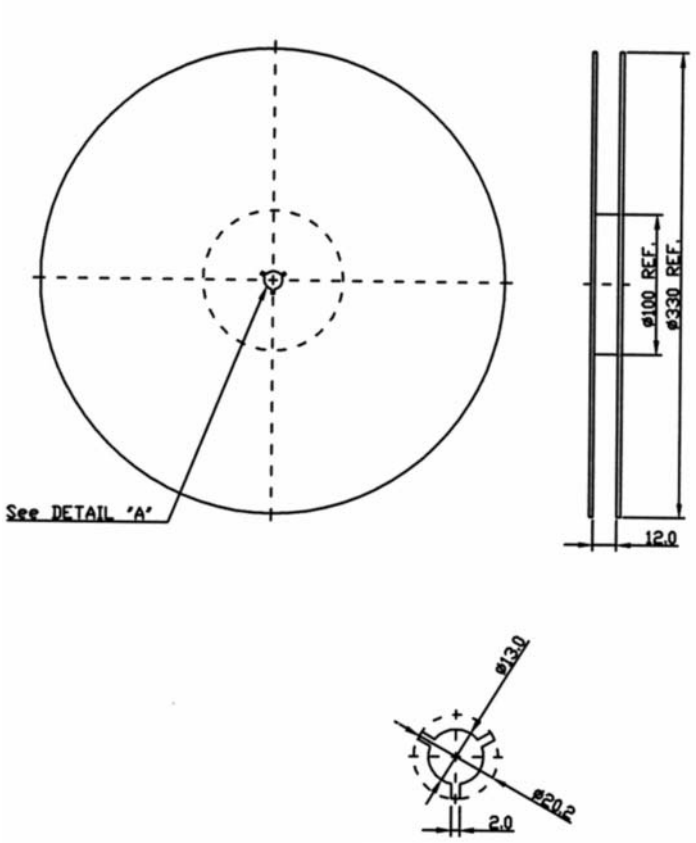


G. TEST CIRCUIT:



H. PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION

