



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Resonator 315.00 MHz SMD 3.8X3.8 mm

TST Parts No.: TC0182A

Customer Parts No.: _____

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

Checked by: _____ Asin Lin

Approval by: _____ Francis Chen

Date: _____ 2005/8/1



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SAW Resonator 315.00 MHz

MODEL NO.: TC0182A

REV. NO.:2

A. FEATURES:

- 1-Port Resonator.

B. MAXIMUM RATING:

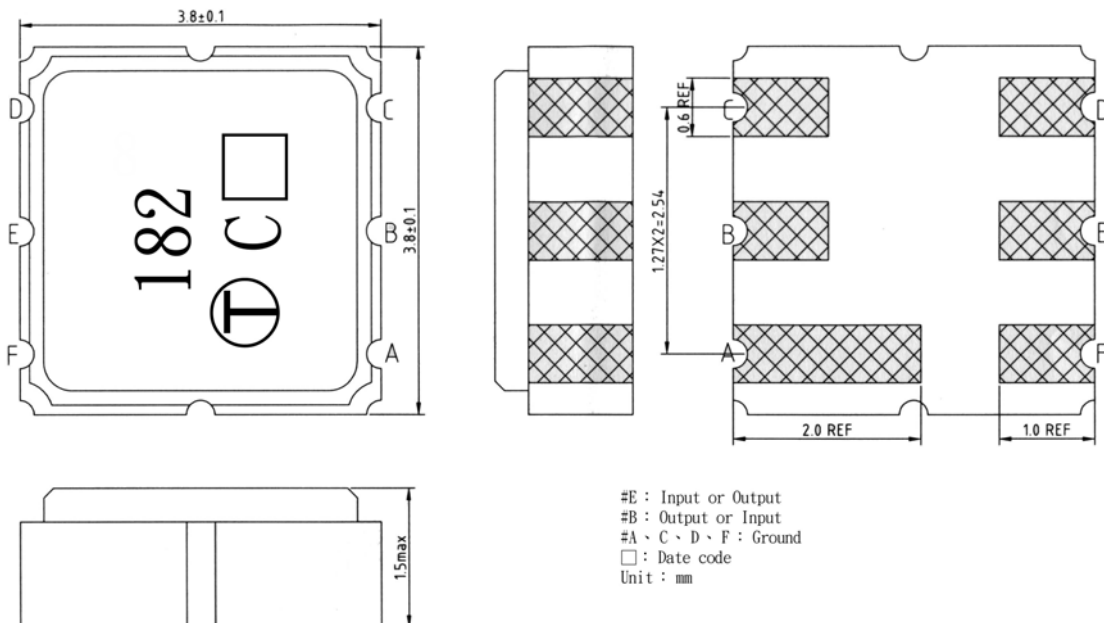
1. Input Power Level: 0 dBm
2. DC voltage: 12 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	314.925	315.000	315.075
Insertion Loss IL	dB	-	1.6	2.0
Equivalent Elements				
Motional capacitance C1	fF	-	3.18	-
Motional inductance L1	μH	-	80.36	-
Motional resistance R1	Ohm	-	24.50	-
Parallel capacitance Co	pF	-	4.76	-
Temp. coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	10	25	40
Package size	SMD 3.8X3.8X1.2mm			

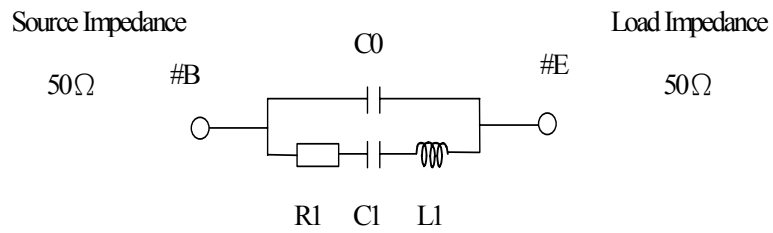
RoHS Compliant
Lead free
Lead-free soldering

D. OUTLINE DRAWING:

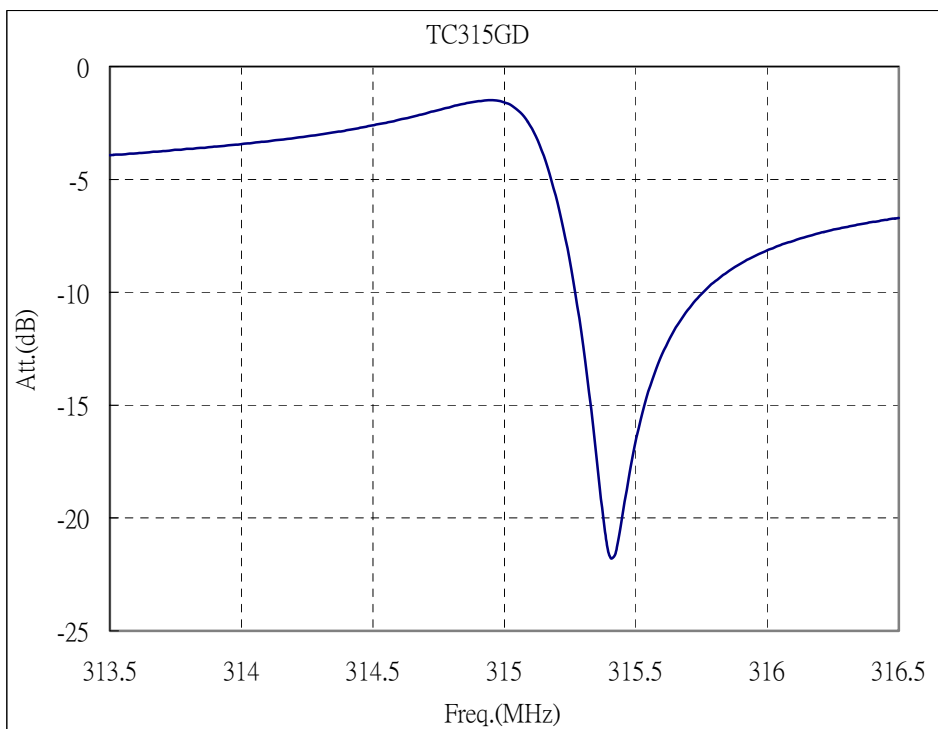


E. EQUIVALENT CIRCUIT:

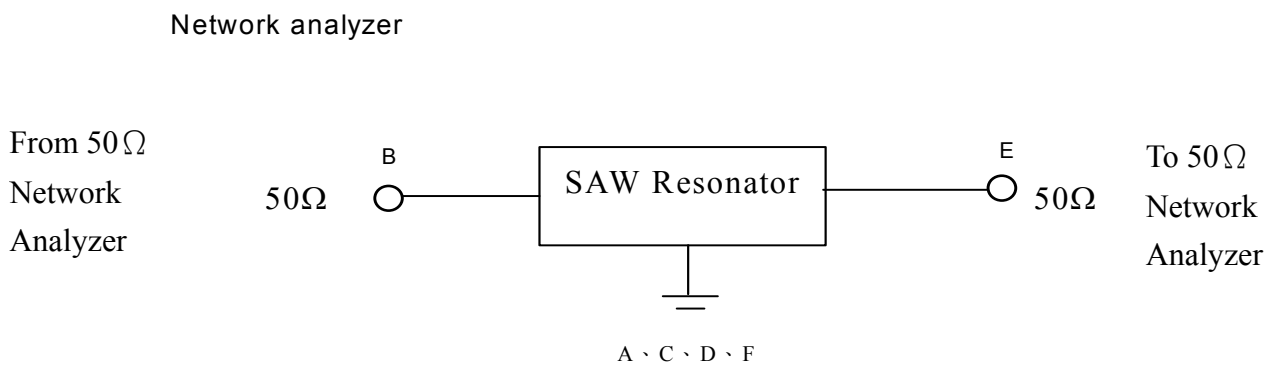
One-Port Resonator:



F. FREQUENCY CHARACTERISTICS:

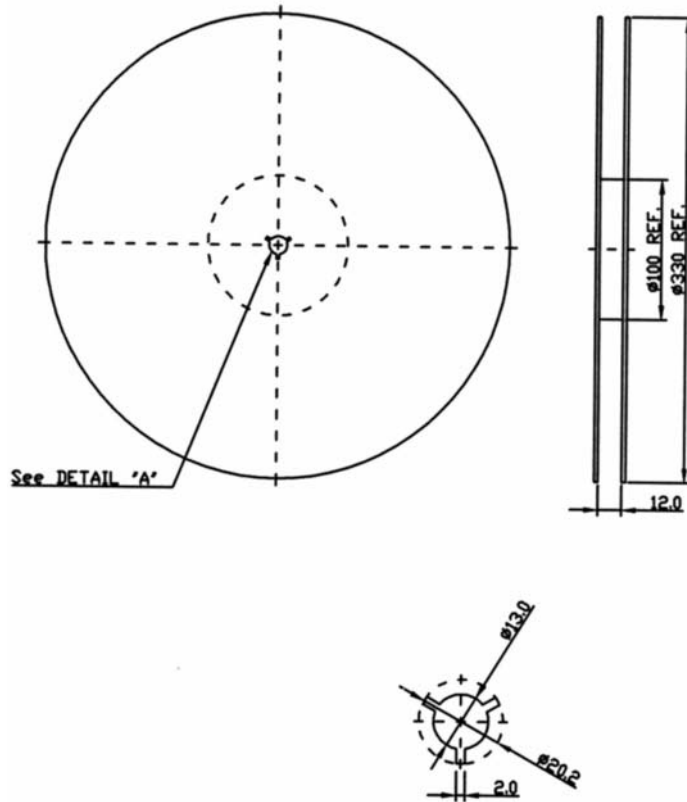


G. TEST CIRCUIT:



H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

