



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: SAW Resonator 310 MHz SMD 3.8X3.8 mm

TST Parts No.: TC0268A

Customer Parts No.: _____

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

Checked by: _____ Asin Lin

Approval by: _____ Francis Chen

Date: _____ 2004/12/8



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SAW Resonator 310 MHz

MODEL NO.: TC0268A

REV. NO.:1

A. FEATURES:

- 1-Port Resonator.

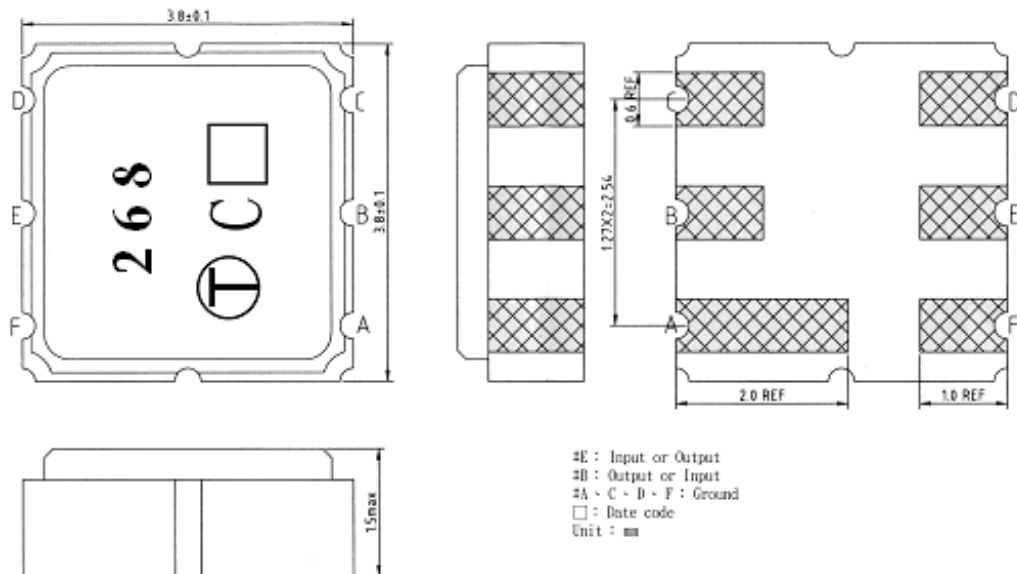
B. MAXIMUM RATING:

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:

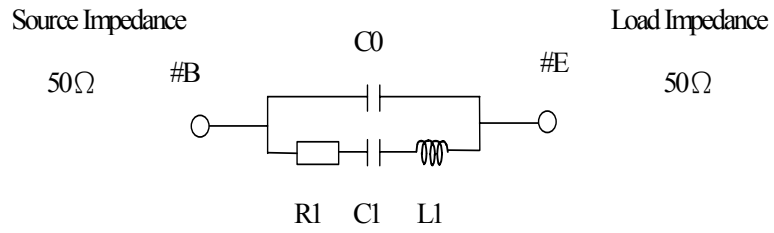
Characteristic	Units	Minimum	Typical	Maximum
Center frequency Fr	MHz	309.925	310	310.075
Insertion Loss IL	dB	-	1.7	2.5
Equivalent Elements				
Motional capacitance C1	fF	-	2.9	-
Motional inductance L1	μH	-	90.84	-
Motional resistance R1	Ohm	-	18.03	-
Parallel capacitance Co	pF	-	4.85	-
Temp. coeff.	ppm/c*2	-	0.032	-
Turnover To	deg.C	10	25	40
Package size	SMD 3.8X3.8X1.2mm			

D. OUTLINE DRAWING:



E. EQUIVALENT CIRCUIT:

One-Port Resonator:

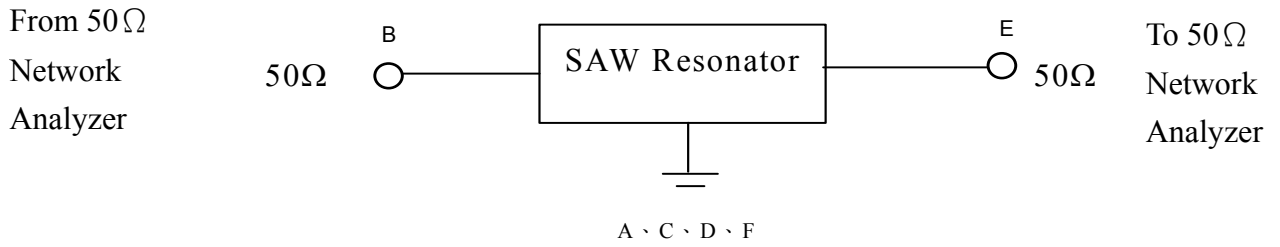


F. FREQUENCY CHARACTERISTICS:

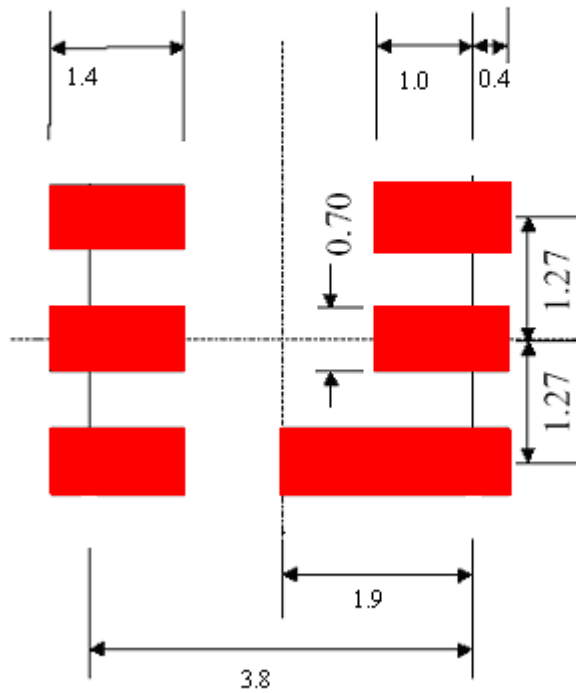


G. TEST CIRCUIT:

Network analyzer

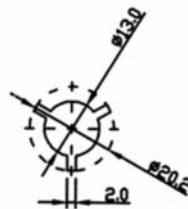
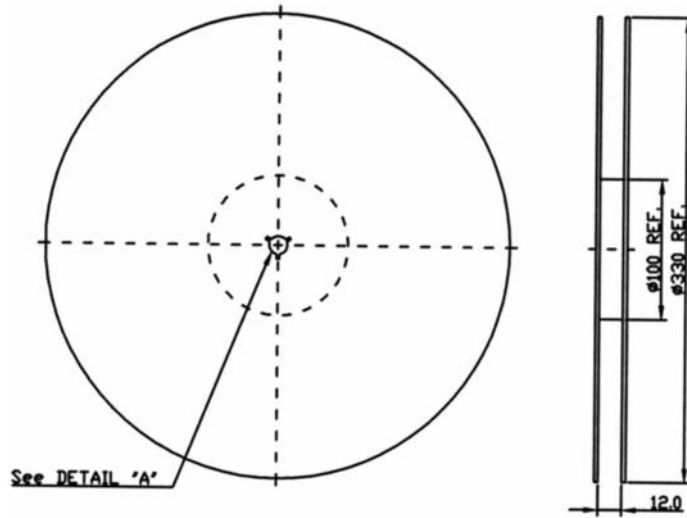


H. PCB FOOTPRINT

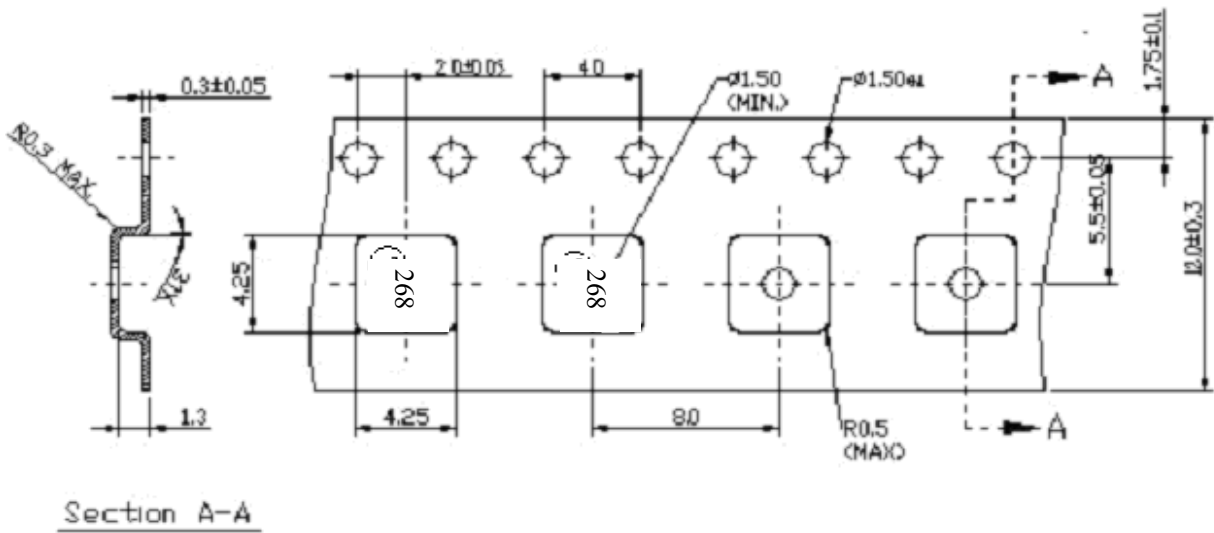


I. PACKING:

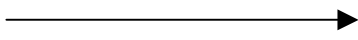
1. REEL DIMENSION



2. TAPE DIMENSION



Section A-A



Direction of feed