



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Resonator 868.275 MHz SMD 5X5 mm

TST Parts No.: TC0207A

Customer Parts No.: \_\_\_\_\_

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

Checked by: Vincent Liu

Approval by: Francis Chen

Date: 2002/12/05



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## SAW Resonator 868.275 MHz

MODEL NO.: TC0207A

REV. NO.:2

### 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

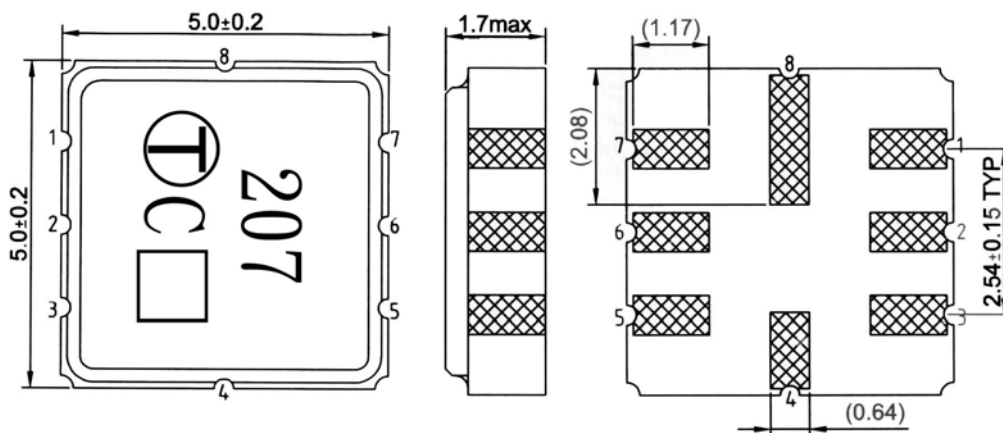
4. Storage Temperature: -40°C to +85°C

### C. ELECTRICAL CHARACTERISTICS:

Characteristic	Units	Minimum	Typical	Maximum
Center frequency <b>Fr</b>	<b>MHz</b>	868.200	868.275	868.350
Insertion Loss <b>IL</b>	<b>dB</b>	-	1.3	2.5
Equivalent Elements				
Motional capacitance <b>C1</b>	<b>fF</b>	-	1.24	-
Motional inductance <b>L1</b>	<b>μH</b>	-	27.20	-
Motional resistance <b>R1</b>	<b>Ohm</b>	-	17.56	-
Parallel capacitance <b>Co</b>	<b>pF</b>	-	2.52	-
Temp.coeff.	<b>ppm/c*2</b>	-	0.032	-
Turnover To	<b>deg.C</b>	20	25	40
Package size		SMD 5X5X1.4mm		

RoHS Compliant  
Lead free  
Lead-free soldering

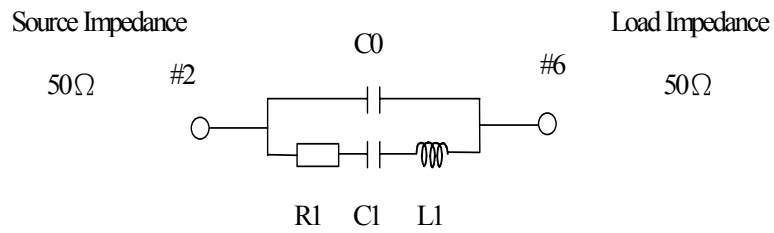
### D. OUTLINE DRAWING:



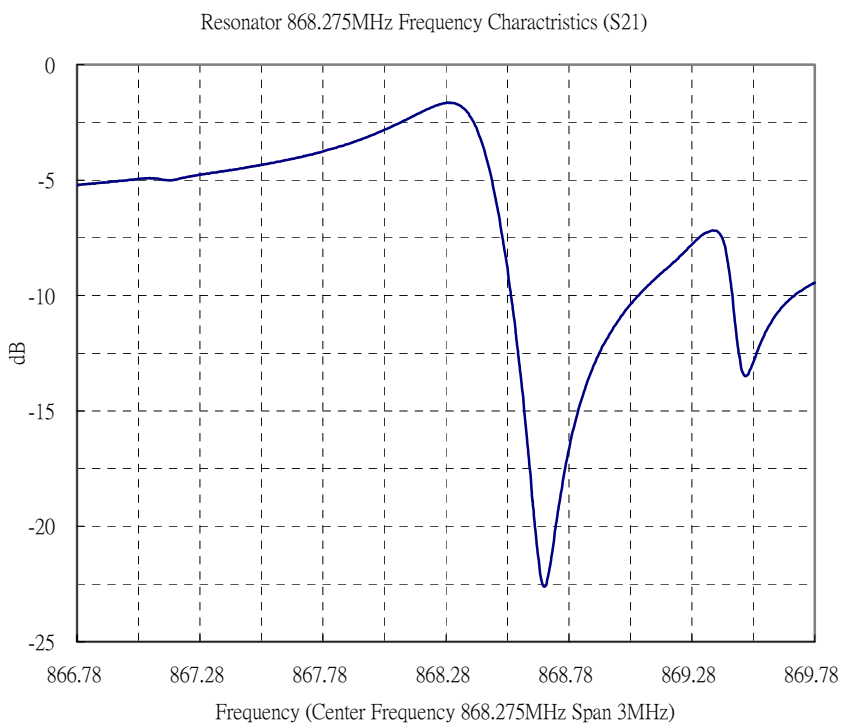
#2 : Input or Output  
#6 : Output or Input  
#4、8 : Case Ground  
#1、3、5、7 : Ground  
□ : Date code  
Unit : mm

E. EQUIVRENT CIRCUIT:

One-Port Resonator:

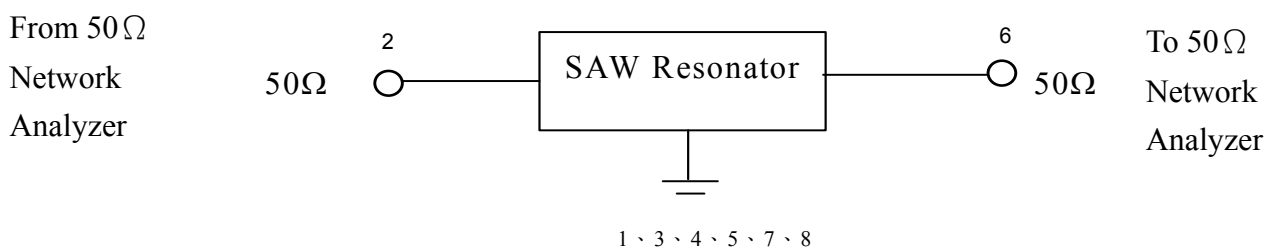


F. FREQUENCY CHARACTERISTICS:



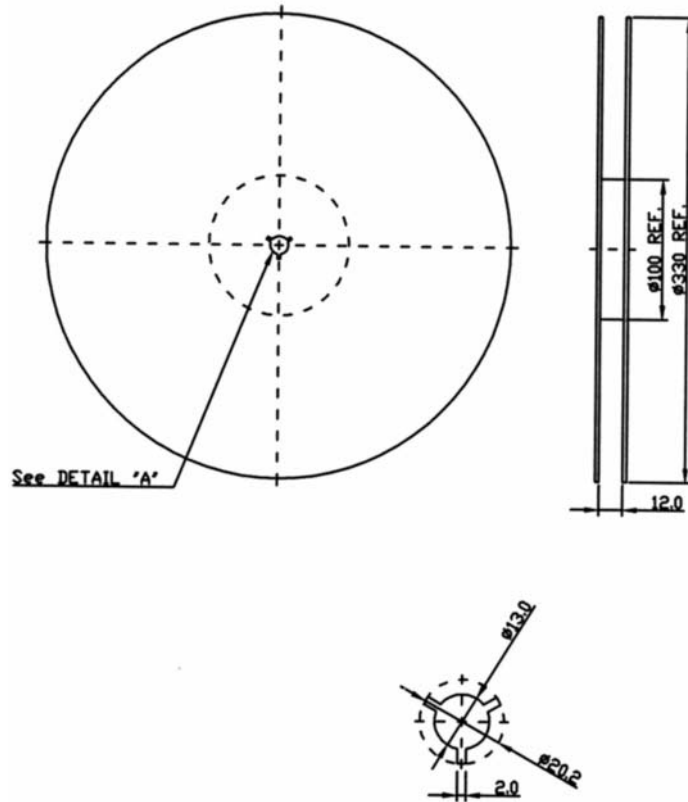
G. TEST CIRCUIT:

Network analyzer



## H. PACKING:

### 1. REEL DIMENSION



### 2. TAPE DIMENSION

