



# 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 915.75 MHz SMD 3.8X3.8 mm

TST Parts No.: TC0403A

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

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

Checked by: Paul Ni

Approval by: Francis Chen

Date: 2007/06/26



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## SAW Resonator 915.75 MHz

MODEL NO.: TC0403A

REV. NO.: 2.0

### A. FEATURES:

- 1-Port Resonator.

RoHS Compliant  
Lead free  
Lead-free soldering

### B. MAXIMUM RATING:

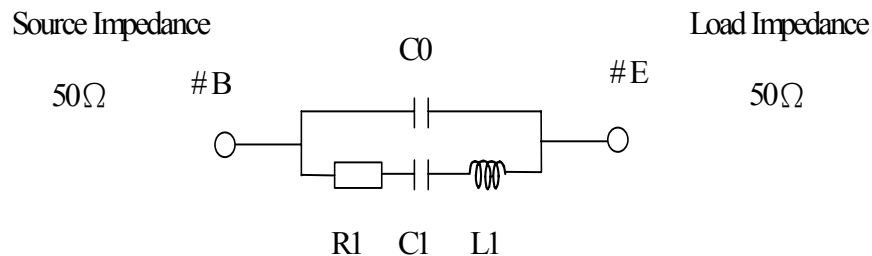
1. Input Power Level: 10 dBm
2. DC voltage: 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

### C. ELECTRICAL CHARACTERISTICS:

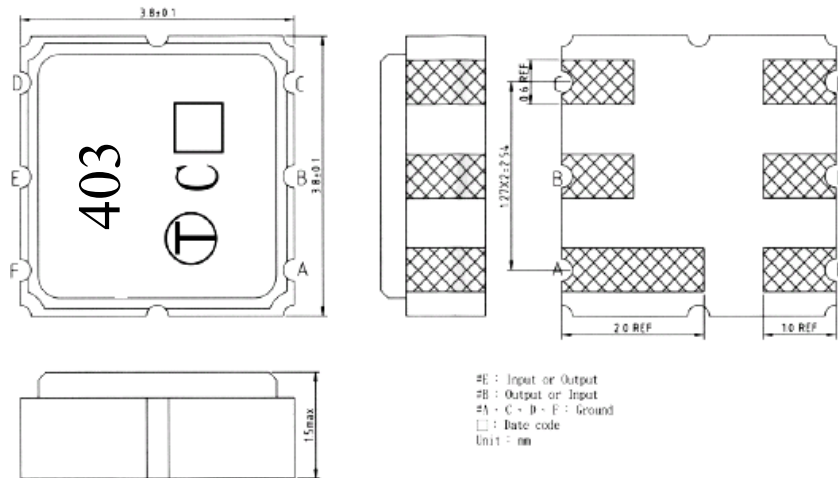
Characteristic	Units	Minimum	Typical	Maximum
Center frequency <b>Fr</b>	<b>MHz</b>	915.675	915.750	915.825
Insertion Loss <b>IL</b>	<b>dB</b>	-	1.7	2.3
Equivalent Elements				
Motional capacitance <b>C1</b>	<b>fF</b>	-	1.12	-
Motional inductance <b>L1</b>	<b>μH</b>	-	27.01	-
Motional resistance <b>R1</b>	<b>Ohm</b>	-	19.23	-
Parallel capacitance <b>Co</b>	<b>pF</b>	-	2.26	-
Temp. coeff.	<b>ppm/c*2</b>	-	0.032	-
Turnover To	<b>deg.C</b>	-	25	-
Package size		SMD 3.8X3.8X1.4mm		

### D. EQUIVIRENT CIRCUIT:

One-Port Resonator:



E. OUTLINE DRAWING:

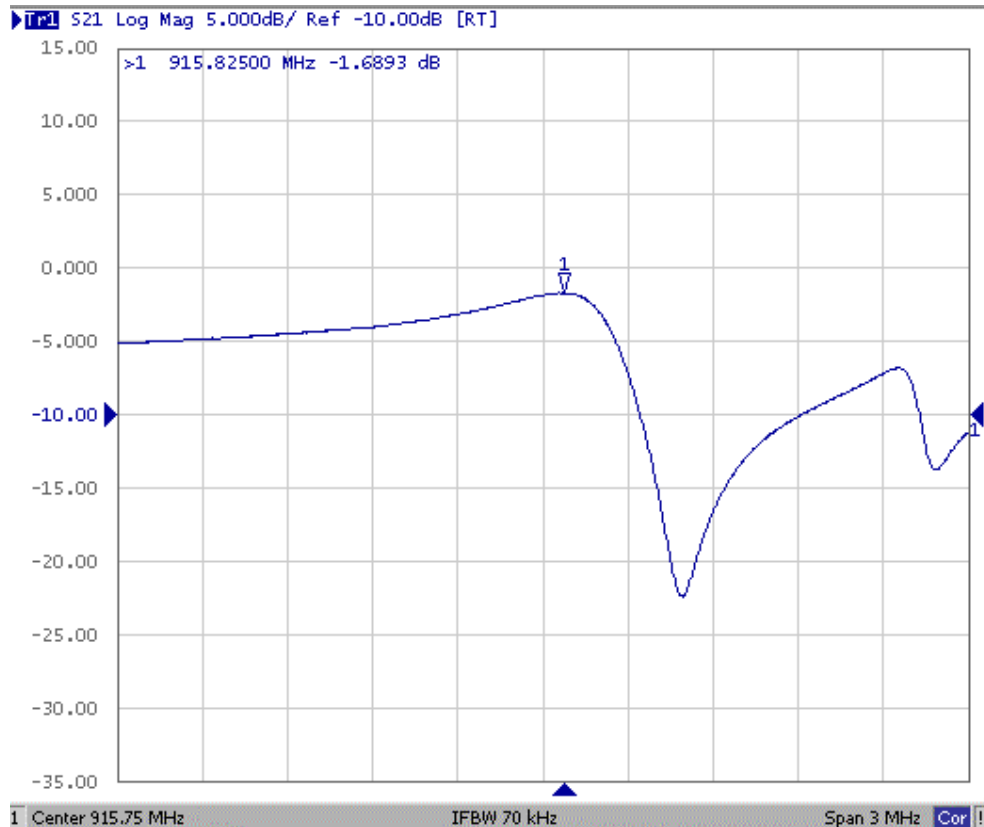


Date code: Provided by planer each year

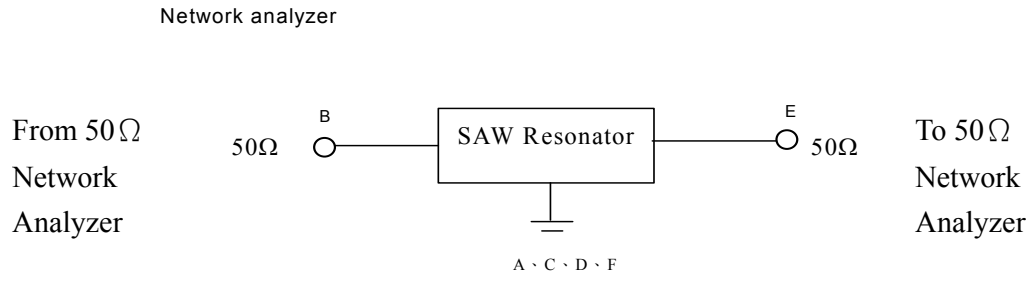
**Product Year Code**

Year	2005	2006
	2007	2008
Product Code	C	c

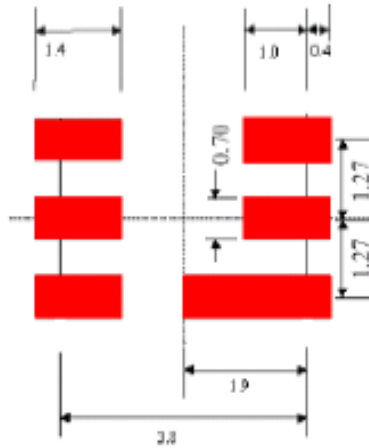
F. FREQUENCY CHARACTERISTICS



## G. TEST CIRCUIT:



## H. LAND PATTERN:





J. RECOMMENDED REFLOW PROFILE:

