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 644.873 MHz SMD 3.8X3.8 mm

TST Parts No.: TC0429A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Paul Ni

Approval by: Francis Chen

Date: 2007/12/20

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

SAW Resonator 644.873 MHz

MODEL NO.: TC0429A REV. NO.: 1.0

A. FEATURES:

1. 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

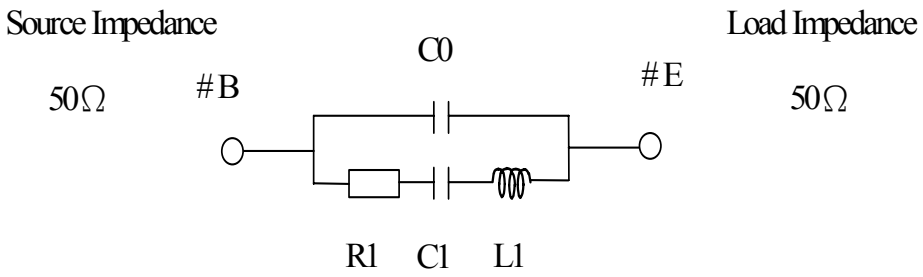
4.Storage Temperature: -40°C to +85°C

C. ELECTRICAL CHARACTERISTICS:

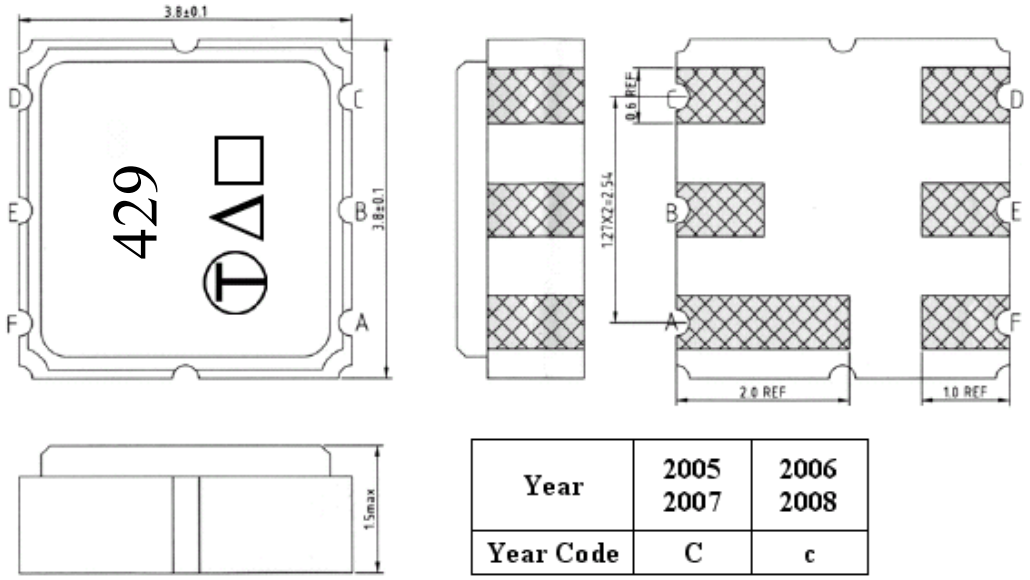
Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	644.843	644.873	644.903
Insertion Loss **IL**	**dB**	-	1.1	2.0
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	1.79	-
Motional inductance **L1**	**μH**	-	34.10	-
Motional resistance **R1**	**Ohm**	-	12.45	-
Parallel capacitance **Co**	**pF**	-	3.03	-
Temp.coeff.	**ppm/c*2**	-	0.032	-
Turnover To	**deg.C**	-	25	-
Package size		SMD 3.8X3.8X1.4mm		

D.EQUVIRENT CIRCUIT:

One-Port Resonator:



E.OUTLINE DRAWING:



Year	2005 2007	2006 2008
Year Code	C	c

#E：Input or Output

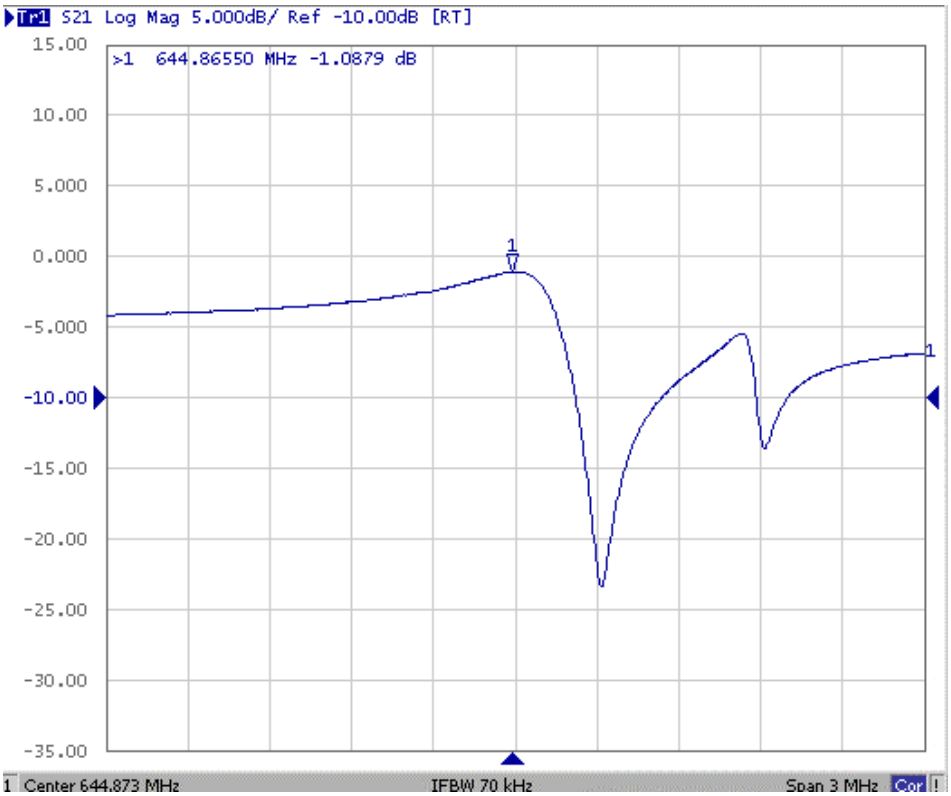
#B：Output or Input

#A、C、D、F：Ground

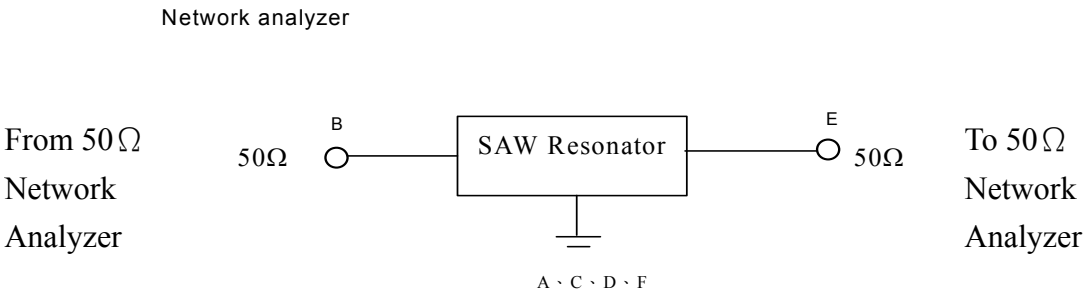
Δ：Year Code

□：Data Code(Follow the table provided by planer each year)

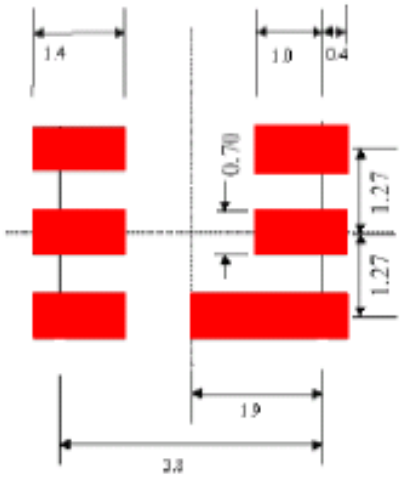
F. FREUENCY CHARACTERISTICS



G. TEST CIRCUIT:

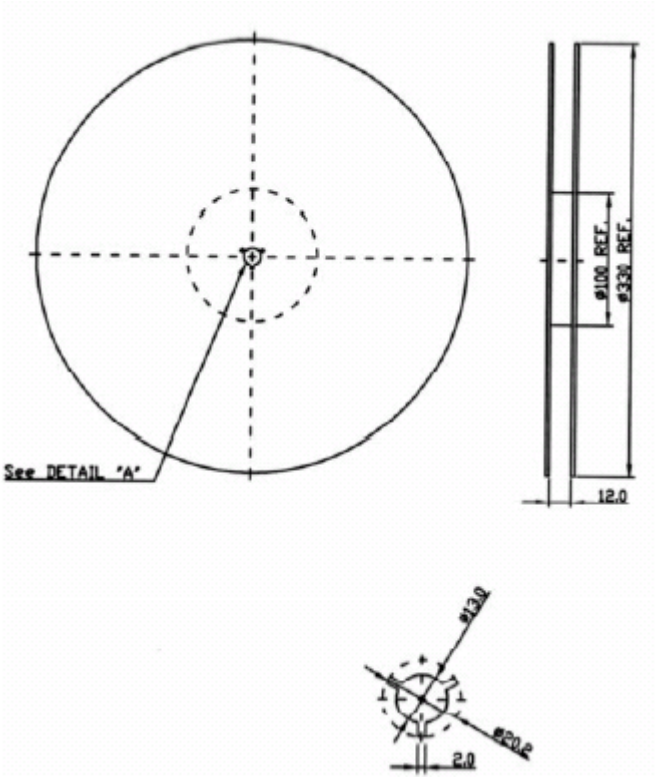


H. LAND PATTERN:

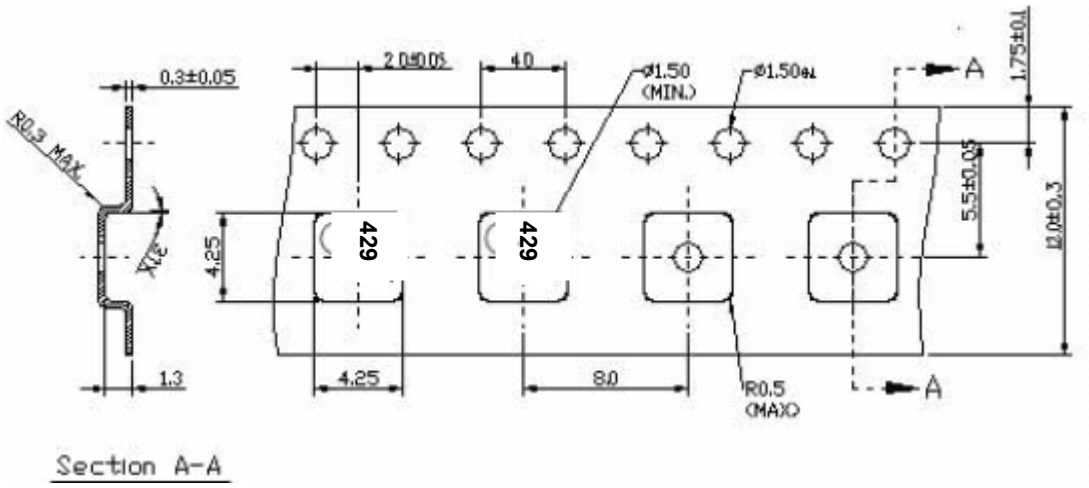


I. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



J. RECOMMENDED REFLOW PROFILE:

