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

Product Specifications Approval Sheet

Product Description: SAW Resonator 640 MHz SMD 3.8X3.8 mm

TST Parts No.: TC0329A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Cleven Jiang_____

Approval by:_____Bob Chau_____

Date:_____04/11/2014_____

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.

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SAW Resonator 640 MHz

MODEL NO.: TC0329A REV. NO.: 2.0

A. FEATURES:

1. 1-Port Resonator.

RoHS Compliant
Lead free
Lead-free soldering

B. MAXIMUM RATING:

1.Input Power Level: 0 dBm

2.DC voltage: 5 V

Electrostatic **S**ensitive **D**evice

3.Operating Temperature: -40°C to +85°C

4.Storage Temperature: -40°C to +85°C

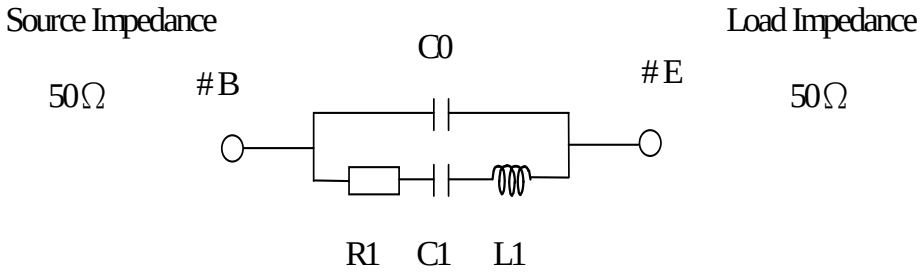
C. ELECTRICAL CHARACTERISTICS:

Reference Temperature T_A=25℃

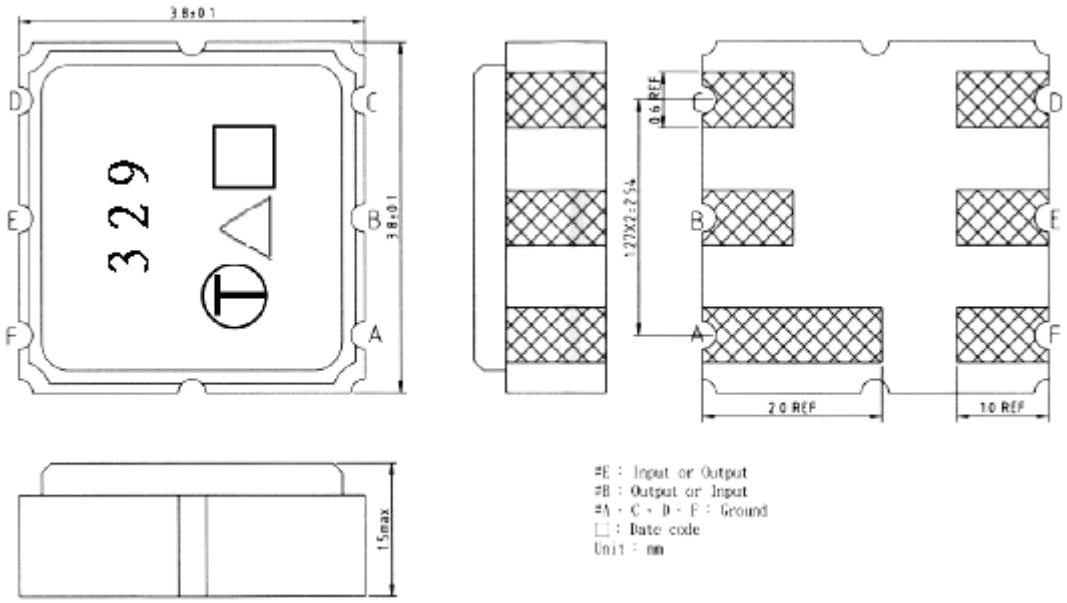
Characteristic	Units	Minimum	Typical	Maximum
Center frequency **Fr**	**MHz**	639.965	640	640.035
Insertion Loss **IL**	**dB**	-	1.21	2.0
Equivalent Elements				
Motional capacitance **C1**	**fF**	-	1.58	-
Motional inductance **L1**	**μH**	-	39.28	-
Motional resistance **R1**	**Ohm**	-	13.94	-
Parallel capacitance **Co**	**pF**	-	2.81	-
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:



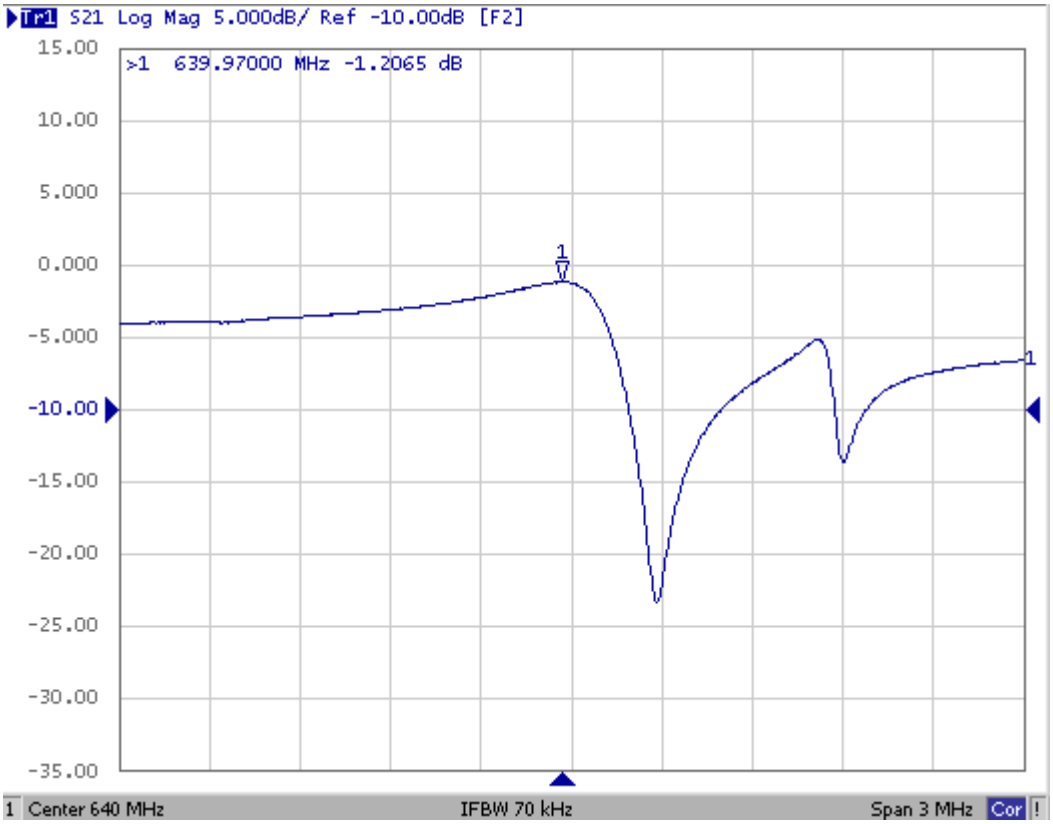
Δ Year code：See the table

Year	2013 2015 2017	2014 2016 2018
Code	C	c

□ Date code：See the table

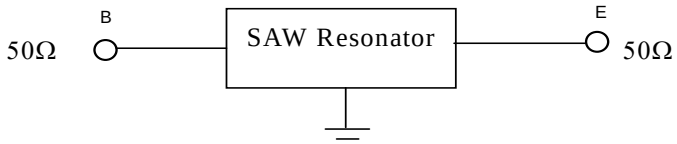
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	**WK15**	**WK16**	**WK17**	**WK18**	**WK19**	**WK20**	**WK21**	**WK22**	**WK23**	**WK24**	**WK25**	**WK26**
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	**WK28**	**WK29**	**WK30**	**WK31**	**WK32**	**WK33**	**WK34**	**WK35**	**WK36**	**WK37**	**WK38**	**WK39**
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	**WK41**	**WK42**	**WK43**	**WK44**	**WK45**	**WK46**	**WK47**	**WK48**	**WK49**	**WK50**	**WK51**	**WK52**
n	o	p	q	r	s	t	u	v	w	x	y	z

F. FREUENCY CHARACTERISTICS



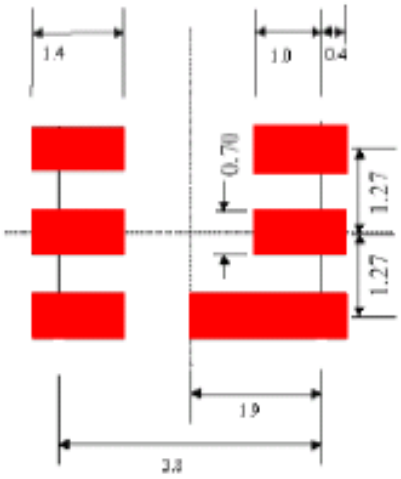
G. TEST CIRCUIT:

Network analyzer



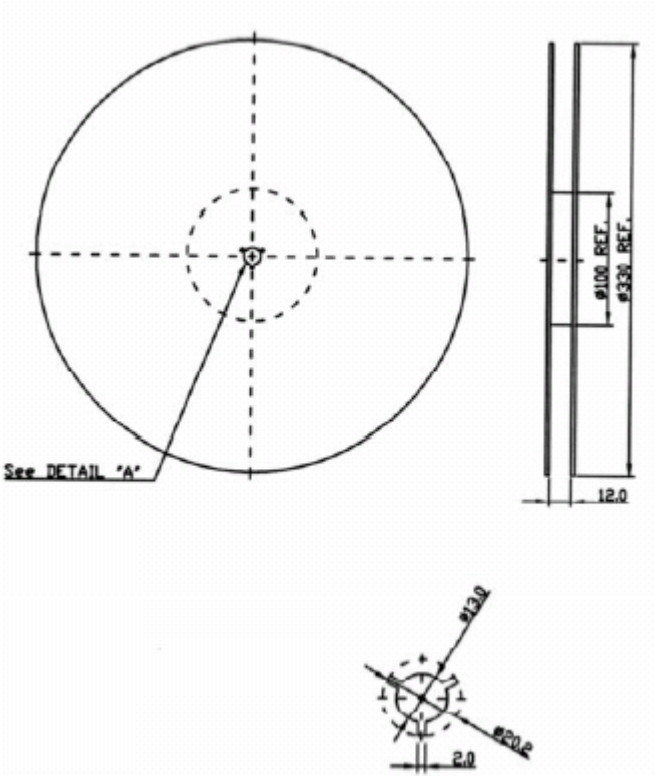
A、C、D、F

H. LAND PATTERN:

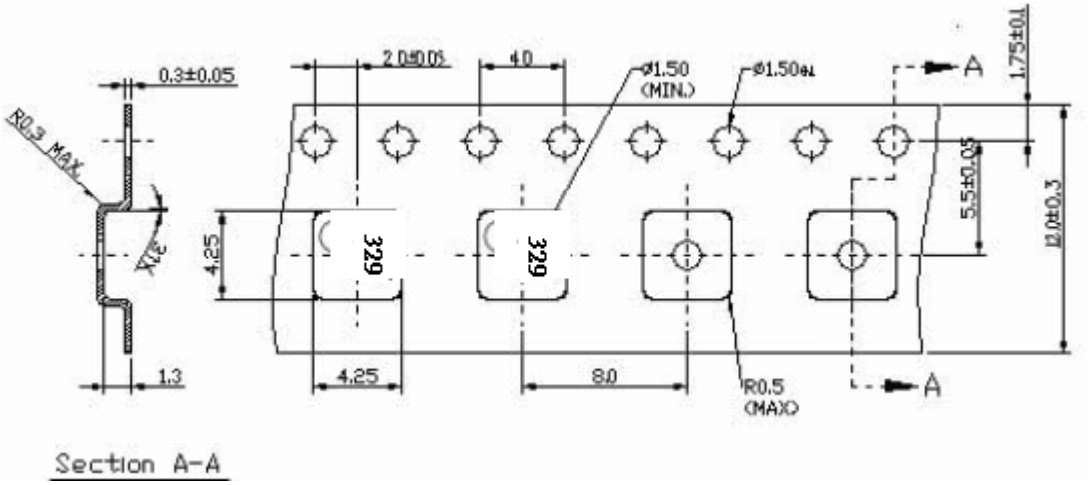


I. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



J. RECOMMENDED REFLOW PROFILE: