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 Name: Thru 40MHz~1040MHz SMD 5.0 x 5.0 mm

TST Parts No.: TN0068A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Kazuma Lee

Approval by: Francis Chen

Date: 02 / 04 / 2012

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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Thru 40MHz~1040MHz SMD 5.0 x 5.0 mm
MODEL NO.: TN0068A REV. NO.1

A. MAXIMUM RATING:

1. Operating temperature range: -30°C to 60°C
2. Storage temperature range: -40°C to 85°C
3. Input Power Level : 10 dBm
4. Maximum DC Voltage : 10V

RoHS Compliant
Lead free
Lead-free soldering

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

B. Characteristics :

Item	Unit	Min.	Type.	Max.
Center frequency, **Fc**	MHz	-	974.3	-
Insertion Loss, **IL**	dB	-	0.7	1.0
Passband Ripple (40MHz~1040MHz)	dB	-	0.6	1.0
S11 Return Loss (40MHz~1040MHz)	dB	-10	-17	-
S22 Return Loss (40MHz~1040MHz)	dB	-10	-18	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

C. Frequency Characteristics :

(1) Wide band Response:

Fig1. Horizontal: 10MHz/Div Vertical: 0.1dB/Div

(2) Return Loss:

S11

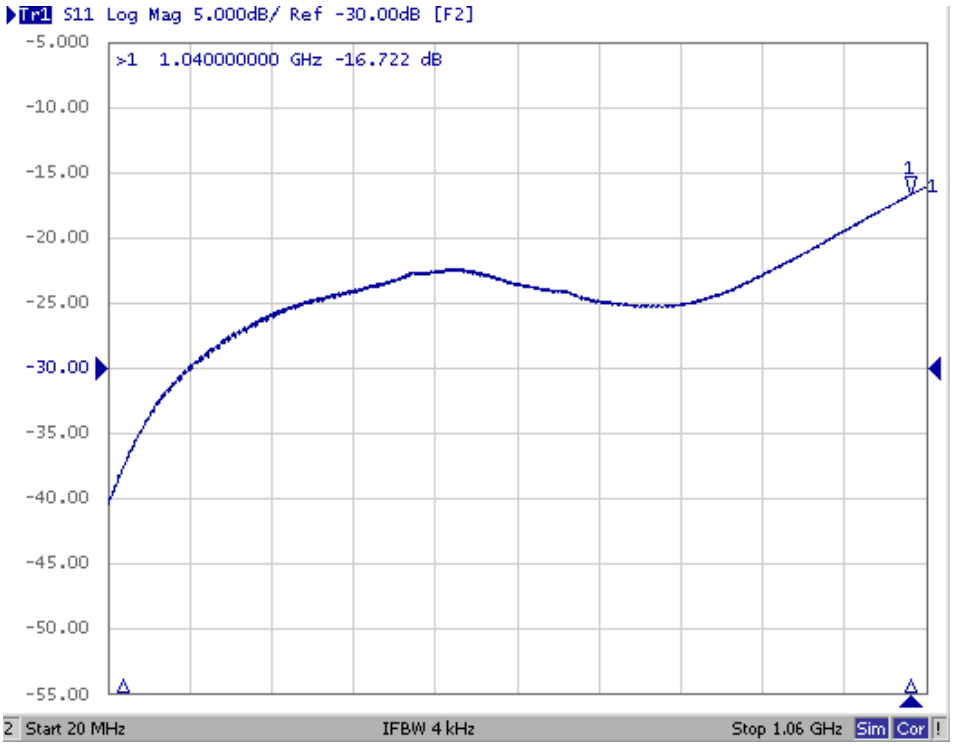


Fig2. Horizontal: 10MHz/Div Vertical: 5dB/Div

S22

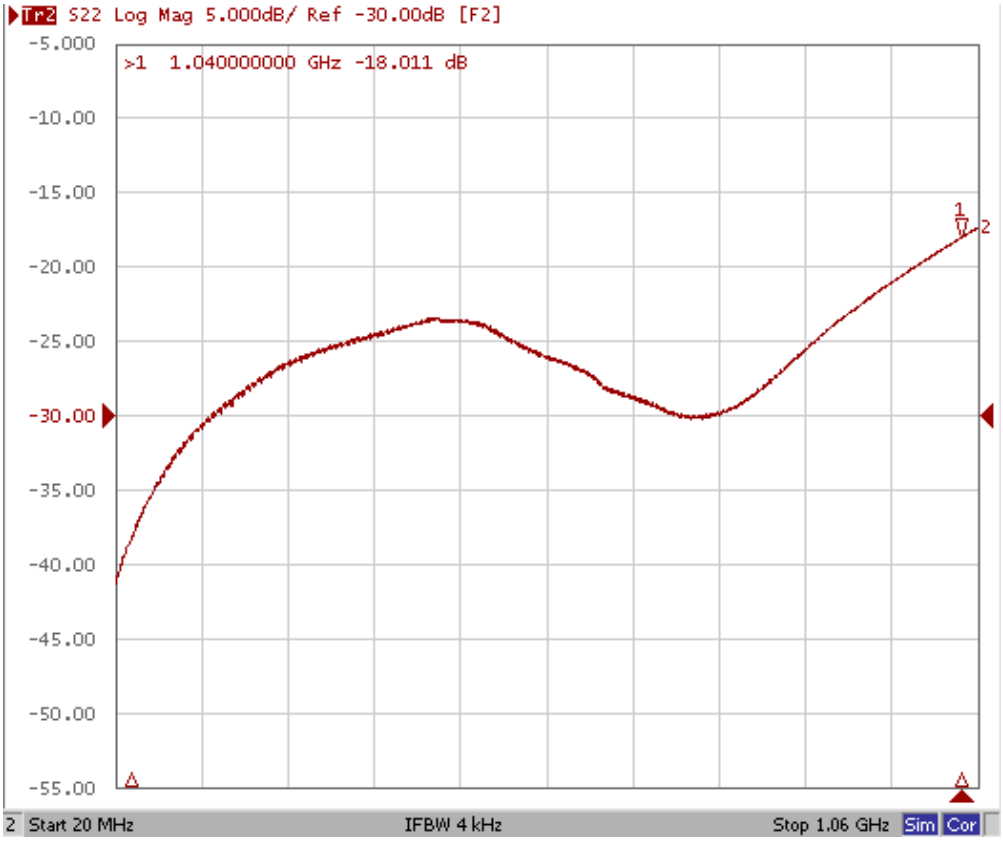
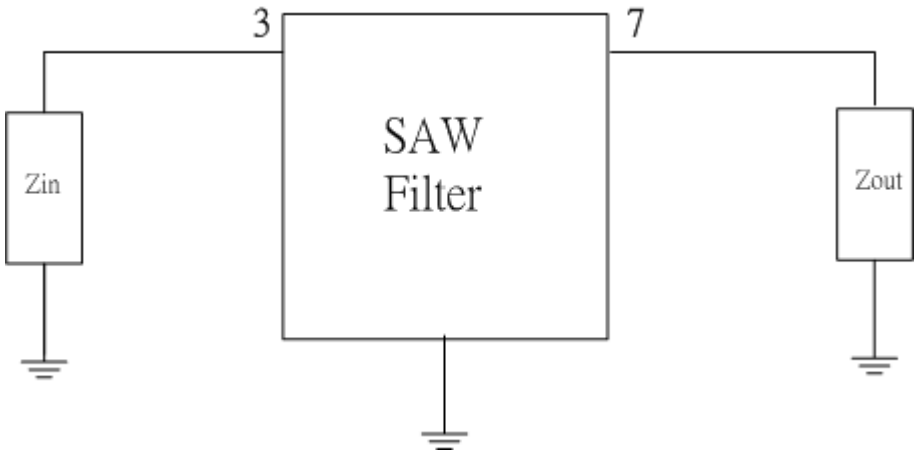
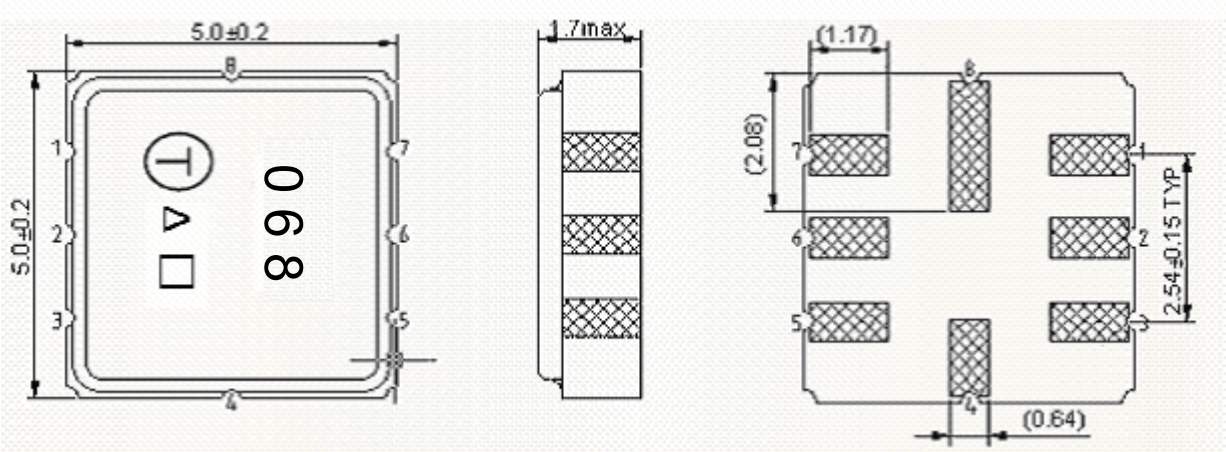


Fig3. Horizontal: 10MHz/Div Vertical: 5dB/Div

D. Matching Circuit:



E. Outline Drawing:



#3 –Input

#2 –Input ground

#7 – Output

#6 – Output ground

#1,4,5,8 – Ground

□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

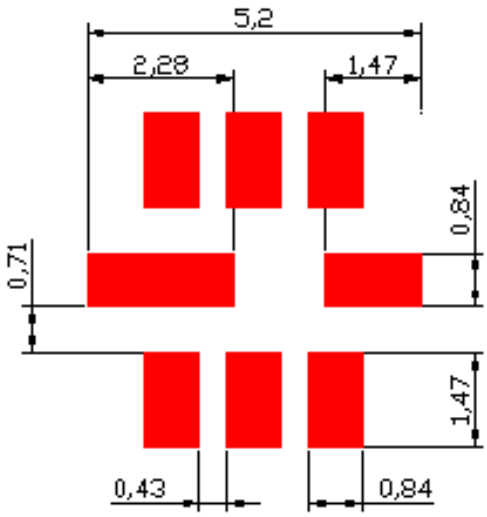
Product Code Table

Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	N	n	N	n

Date Code Table

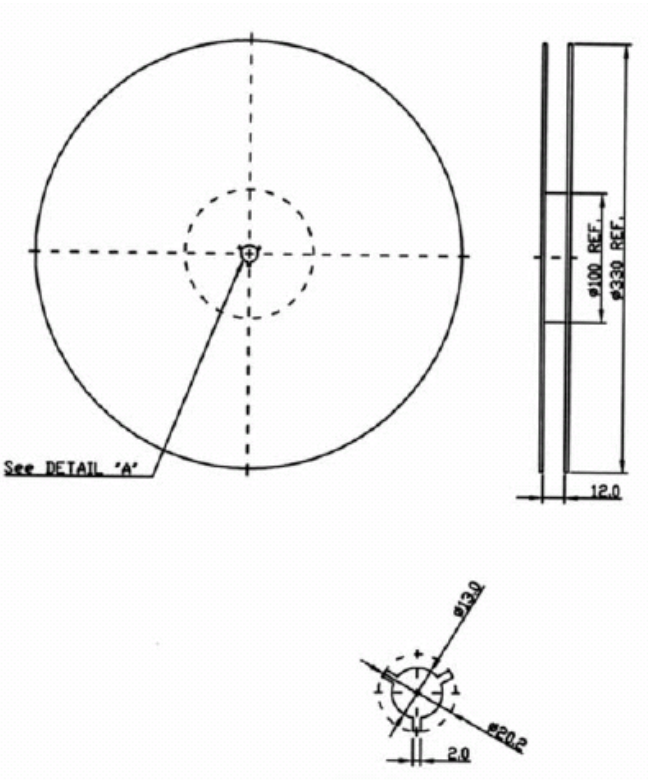
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	**WK15**	**WK16**	**WK17**	**WK18**	**WK19**	**WK20**	**WK21**	**WK22**	**WK23**	**WK24**	**WK25**	**WK26**
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	**WK28**	**WK29**	**WK30**	**WK31**	**WK32**	**WK33**	**WK34**	**WK35**	**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. PCB Footprint:

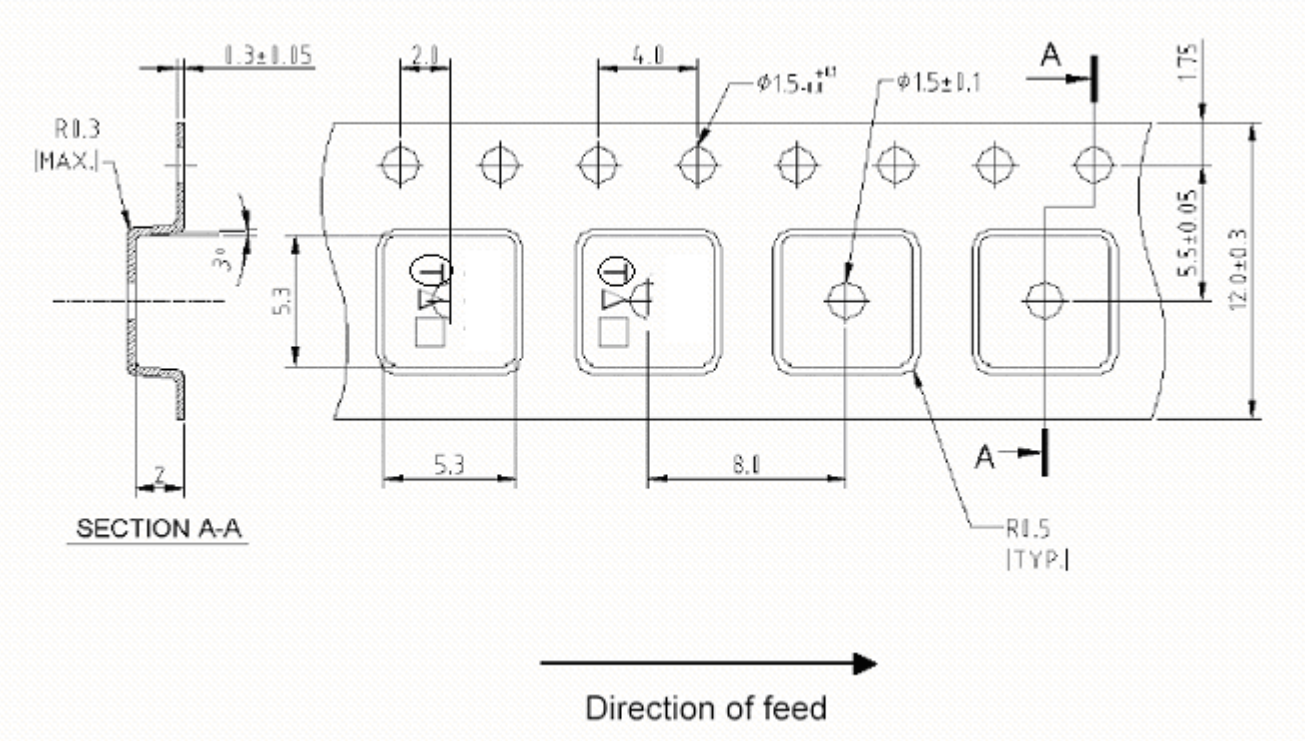


G. PACKING:

1. REEL DIMENSION:



2. TAPE DIMENSION:



H. RECOMMENDED REFLOW PROFILE :