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: May, 10, 2012

Product Name: SAW Filter 70 MHz SMD 13.3x6.5 mm

TST Parts No.:TB0505A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Paul Ni

Approval by:_____ Francis Chen

Date:_____ 05, 10, 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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SAW Filter 70 MHz

MODEL NO.:TB0505A REV. NO.:3

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -10℃ to 60℃
4. Storage Temperature: -40℃ to 85℃

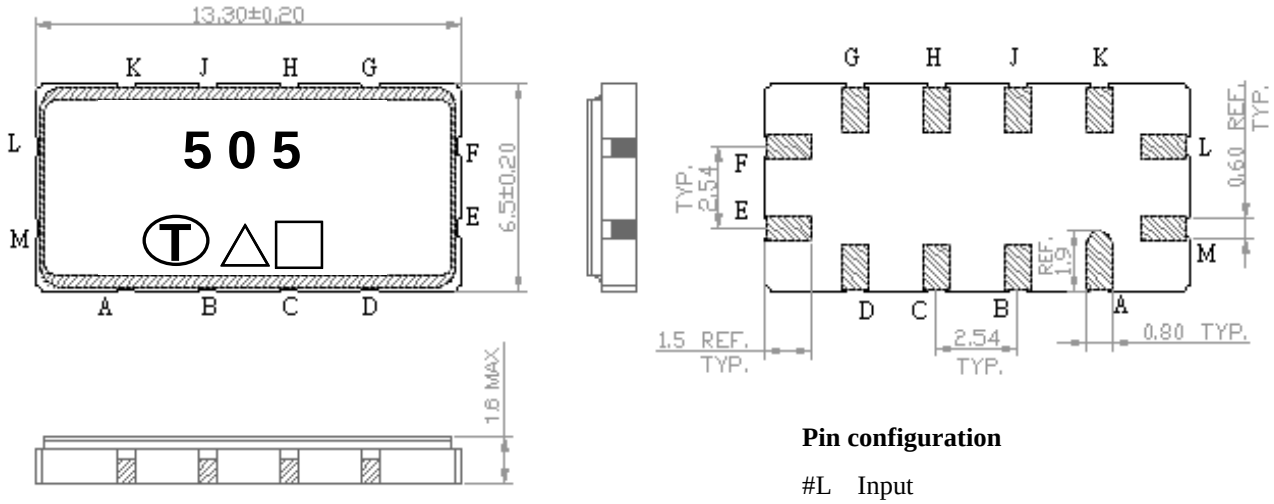
RoHS Compliant
Lead free
Lead-free soldering

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

B. ELECTRICAL CHARACTERISTICS: (Ambient temperature : 25 ℃)

Item	Unit	Min.	Type.	Max.	Note
Center frequency, **Fc**	MHz	69.955	70	70.044	-
Insertion Loss, **IL**	dB	-	3.2	6	-
3dB bandwidth	MHz	0.03	0.05	-	-
40dB bandwidth	MHz	-	0.14	0.2	-
Absolute Group Delay at **Fc**	μs	-	16	-	-
Group Delay Variation (70±0.015 MHz)	μs	-	6	12	-
Attenuation:(Reference level from Min IL)					
0.3 MHz ~ 69.8 MHz	dB	48	58	-	-
70.2 MHz ~ 71 MHz	dB	35	43	-	-
71 MHz ~ 71.5 MHz	dB	35	45	-	-
71.5 MHz ~ 75 MHz	dB	45	48	-	-
Temperature coefficient of frequency	**TCF**	-0.032 ppm/C^2			

C.OUTLINE DRAWING:



Pin configuration

#L Input

#M Input RF-Return

#E Output

#F Output RF-Return

#A,B,C,D,G,H,J,K To be grounded

□ Date code

Unit mm

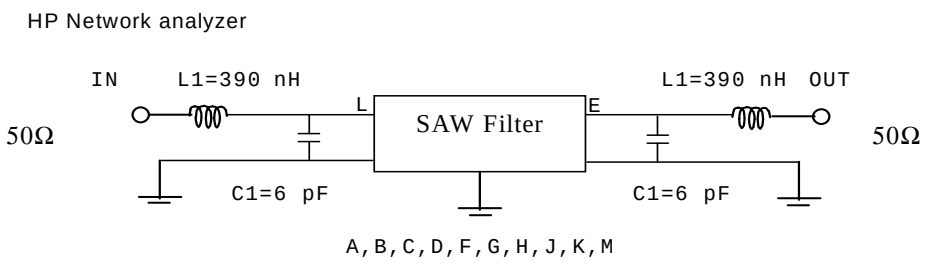
△：Year Code

Year	2009	2010	2011	2012
	2013	2014	2015	2016
	|	|	|	|
	2025	2026	2027	2028
Year Code	B	b	B	b

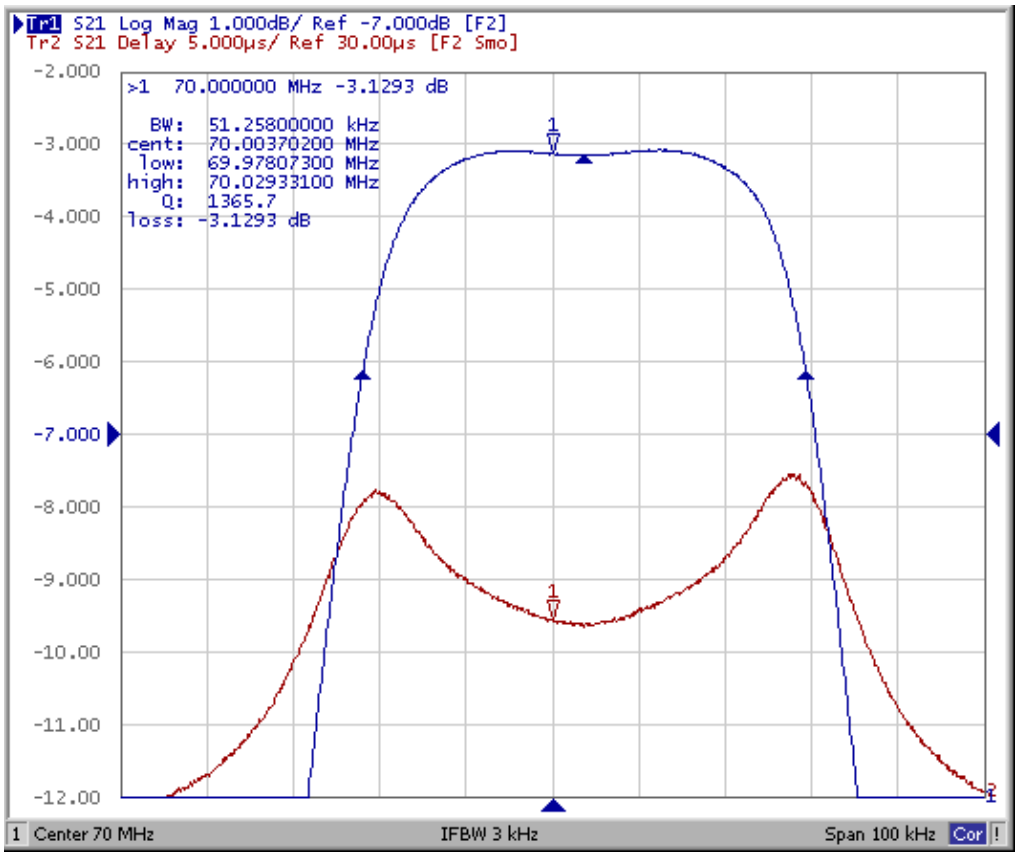
□ Date code

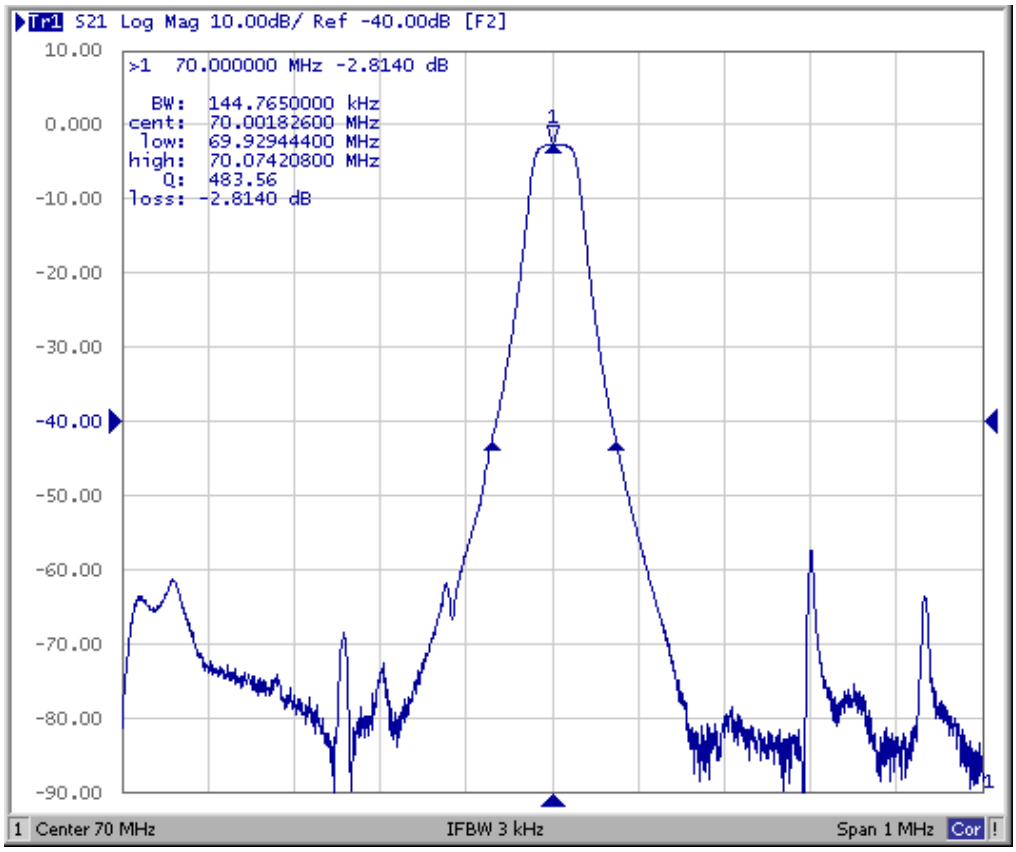
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	**WK15**	**WK16**	**WK17**	**WK18**	**WK19**	**WK20**	**WK21**	**WK22**	**WK23**	**WK24**	**WK25**	**WK26**
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	**WK28**	**WK29**	**WK30**	**WK31**	**WK32**	**WK33**	**WK34**	**WK35**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

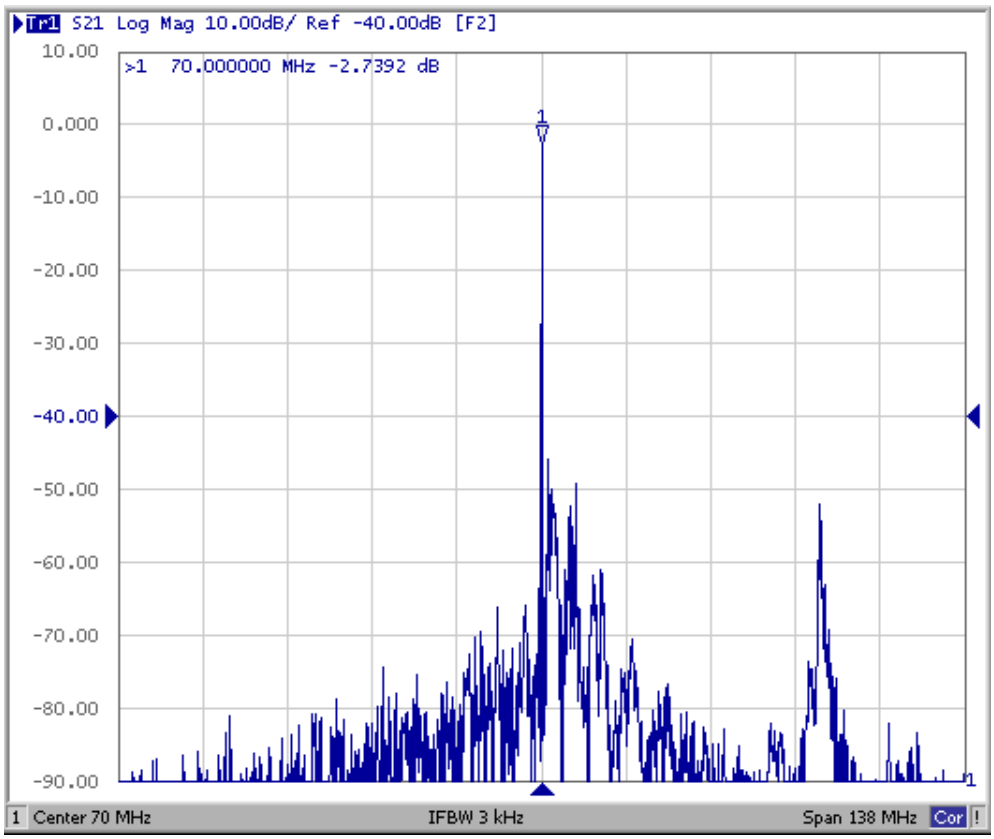
D. MEASUREMENT CIRCUIT:
50 Ohm Test circuit (single-ended / single-ended)



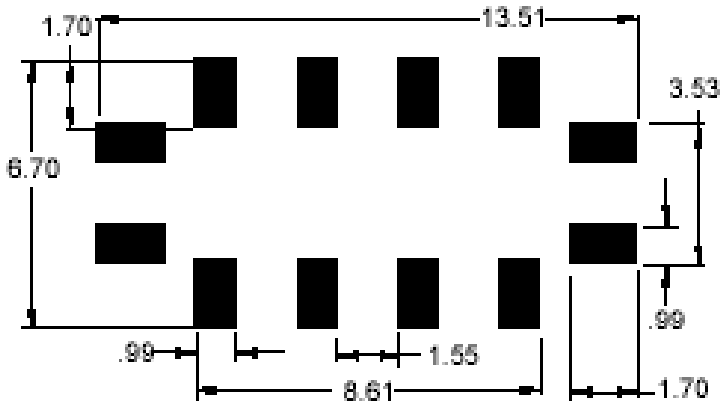
E. Frequency Characteristics :





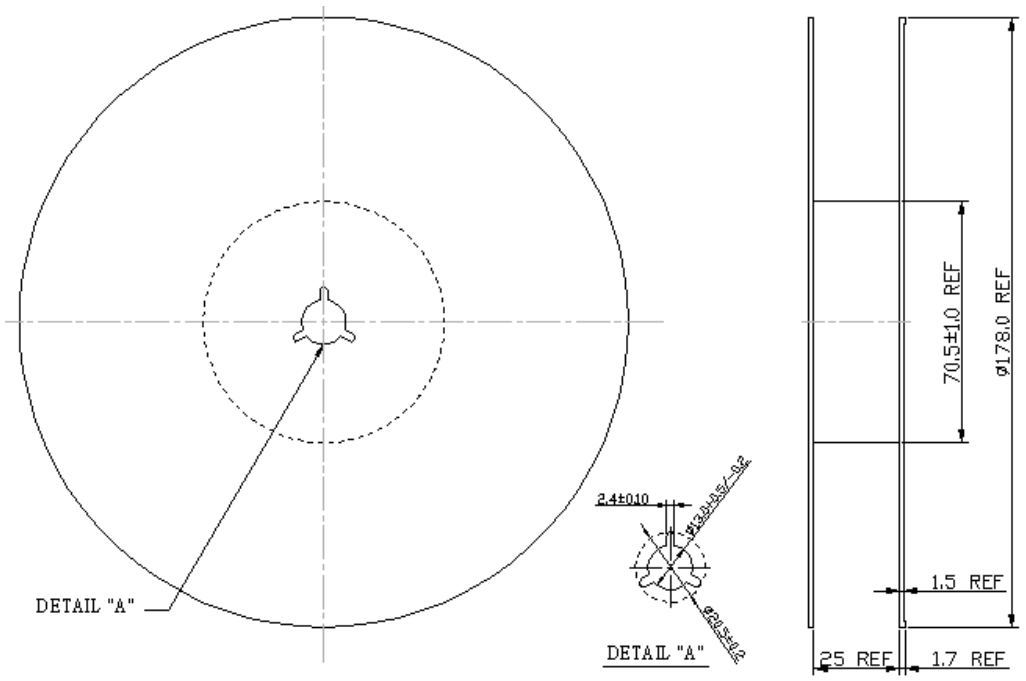


F. PCB Footprint:

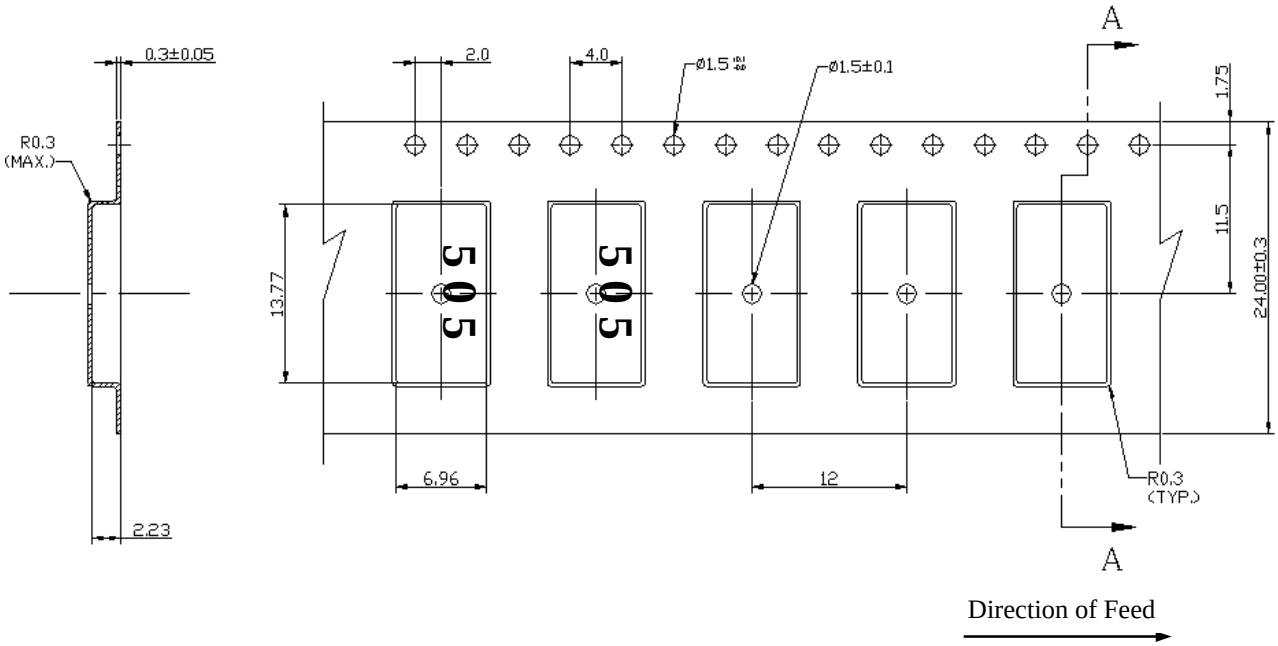


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :