



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

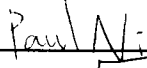
Issued Date: May, 10, 2012

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°C to 60°C
4. Storage Temperature: -40°C to 85°C

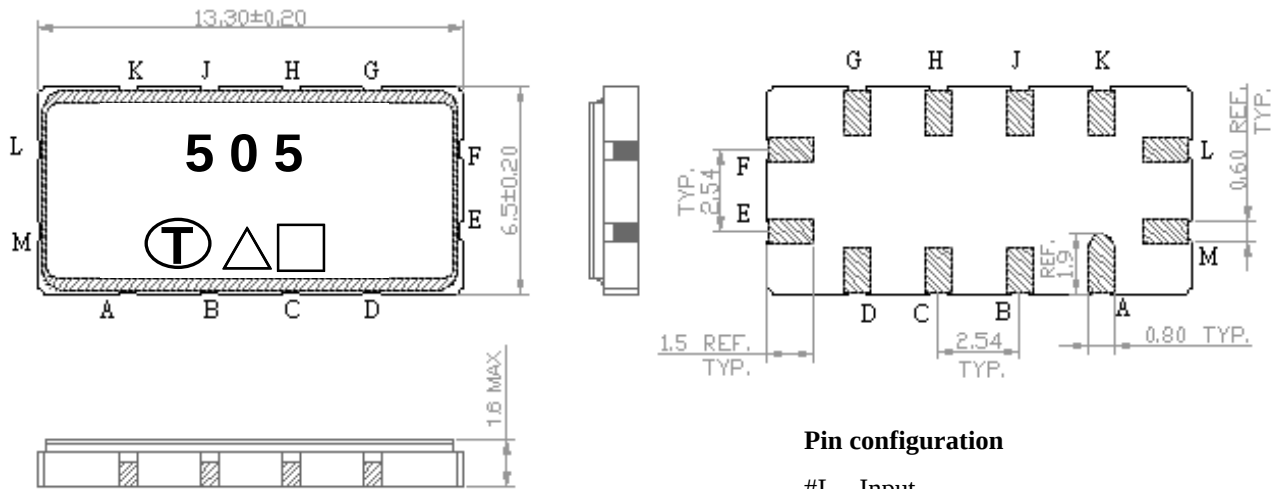
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS: (Ambient temperature : 25 °C)

Item	Unit	Min.	Type.	Max.	Note
Center frequency, F_c	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 F_c	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

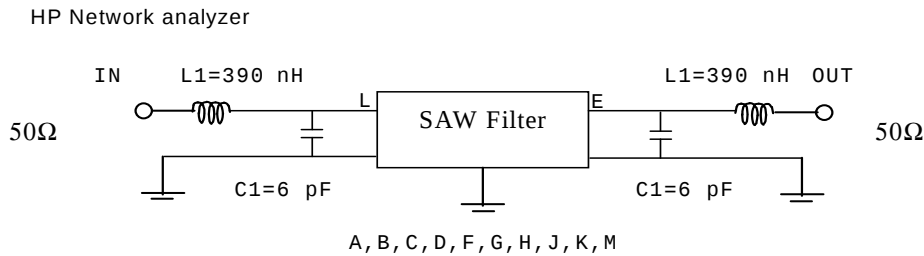
Year	2009	2010	2011	2012
	2013	2014	2015	2016
	2025	2026	2027	2028
Year Code	B	b	<u>B</u>	<u>b</u>

□ Date code

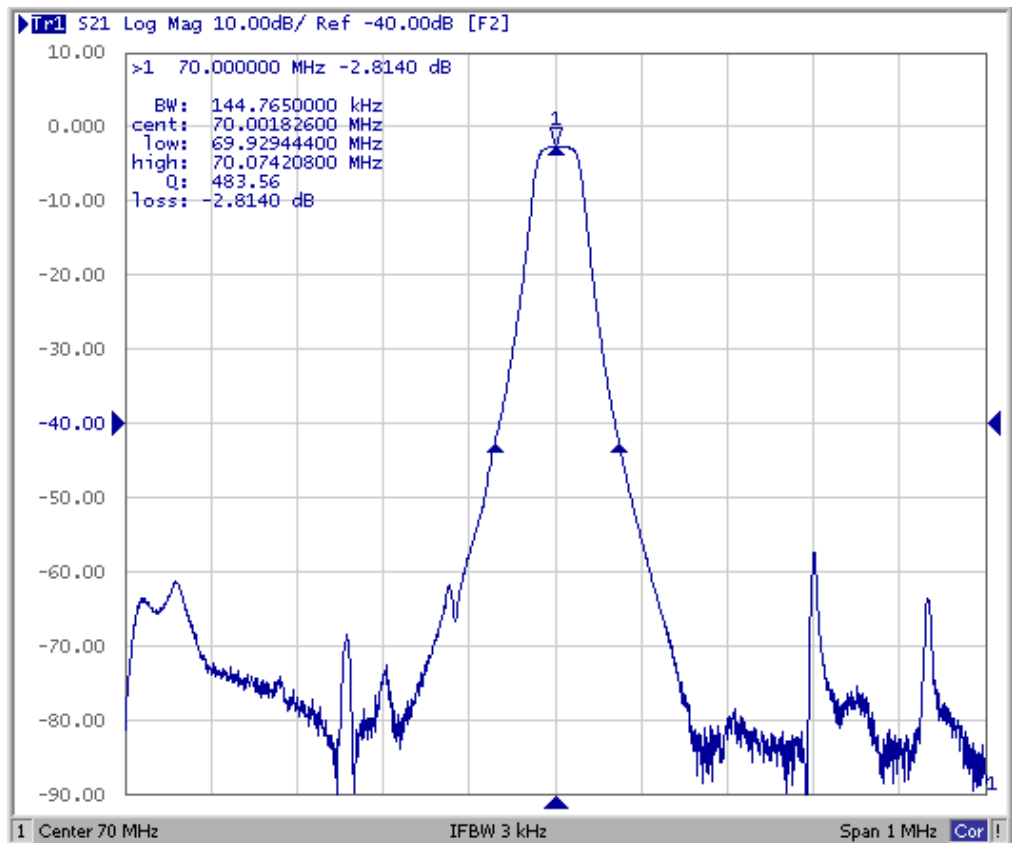
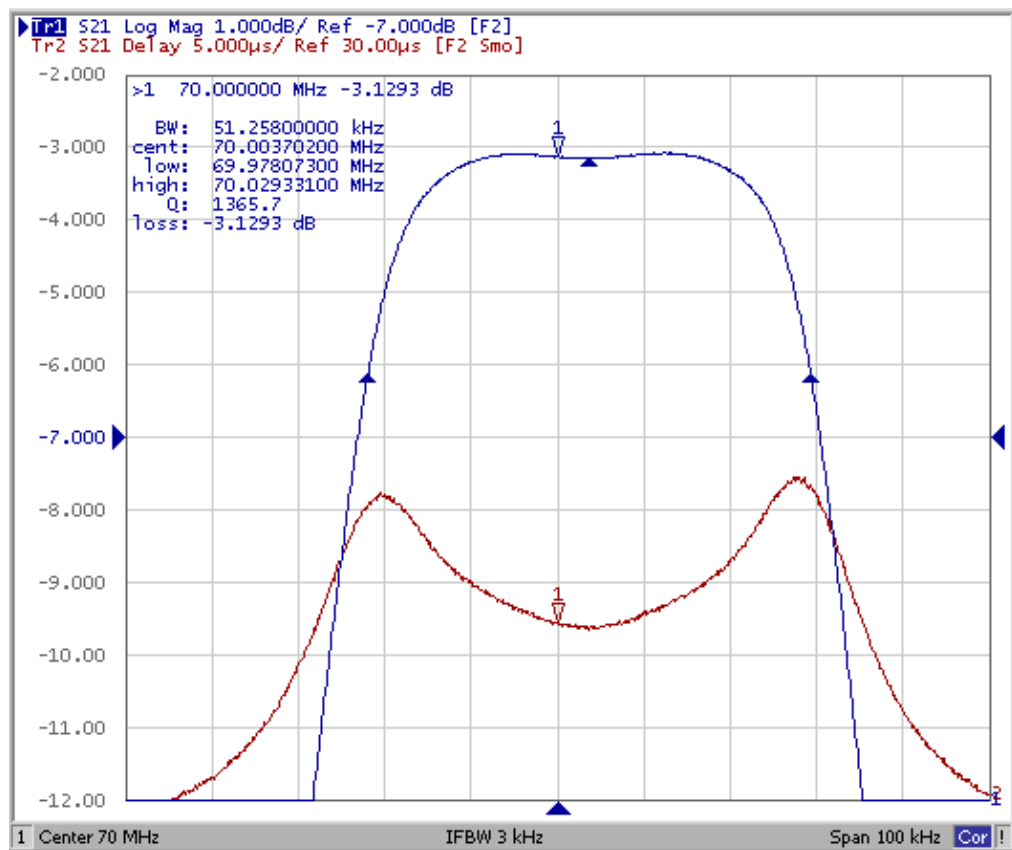
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

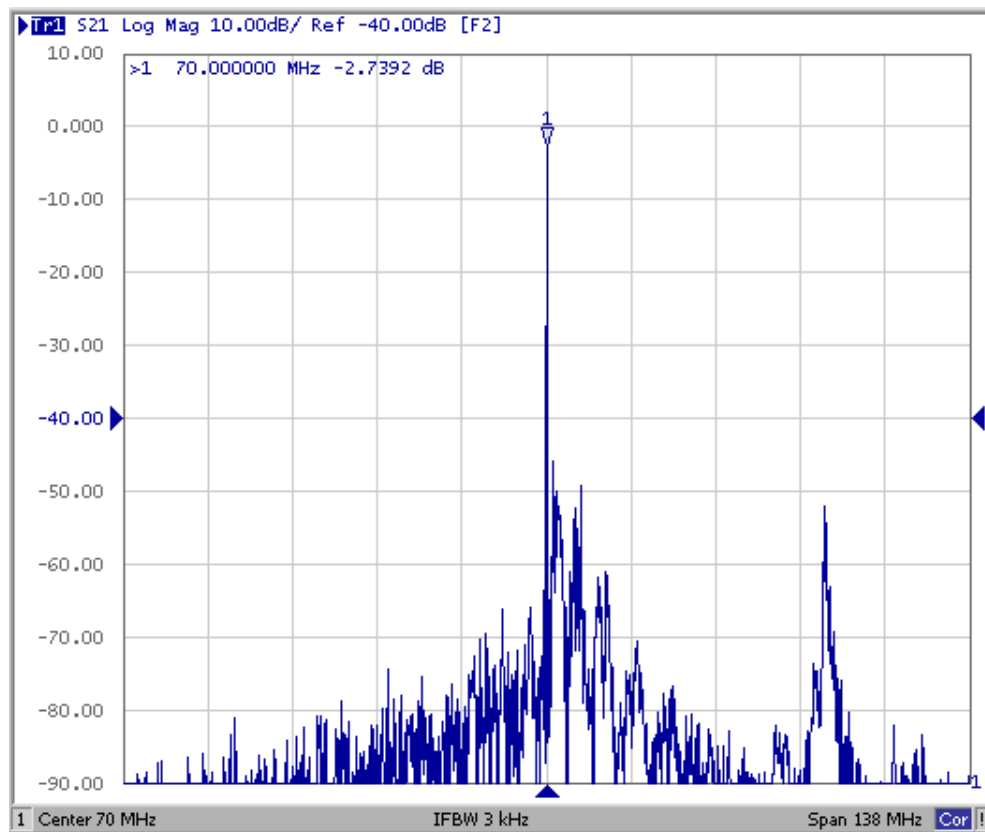
D. MEASUREMENT CIRCUIT:

50 Ohm Test circuit (single-ended / single-ended)

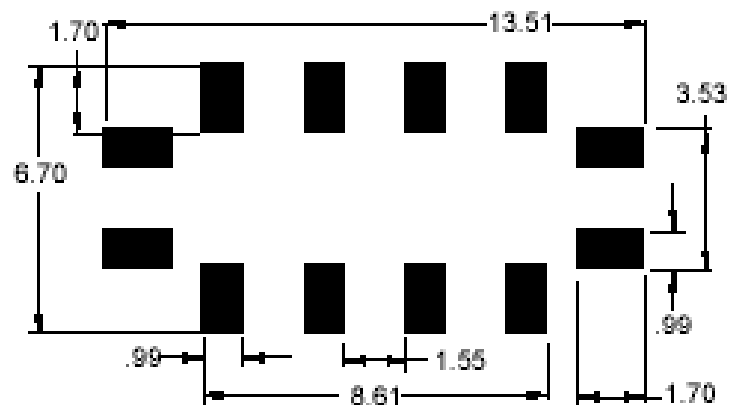


E. Frequency Characteristics :



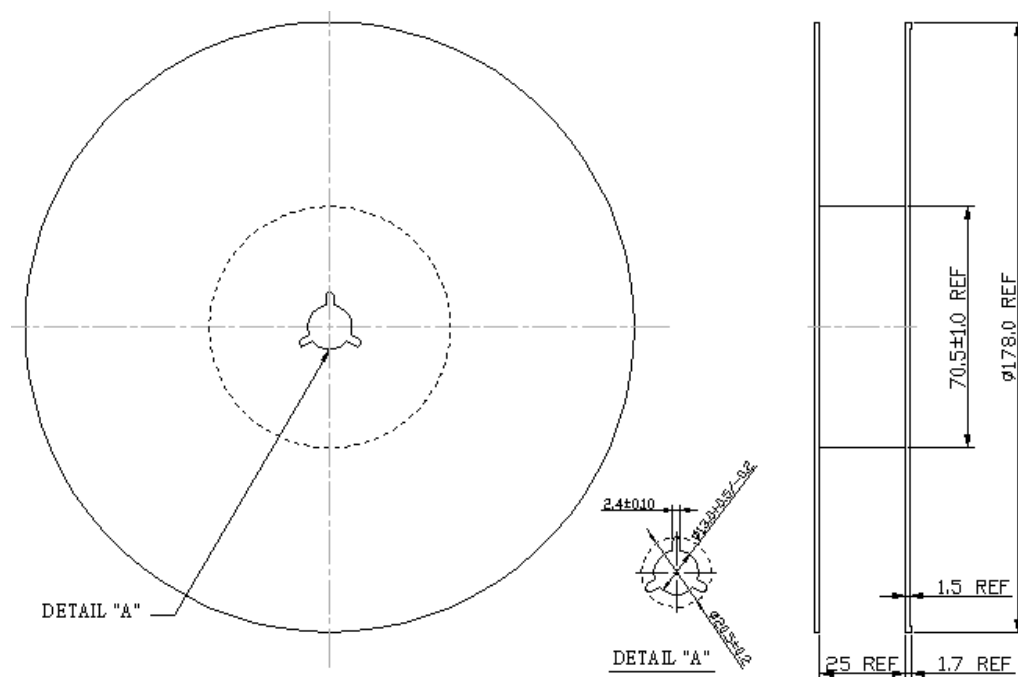


F. PCB Footprint:

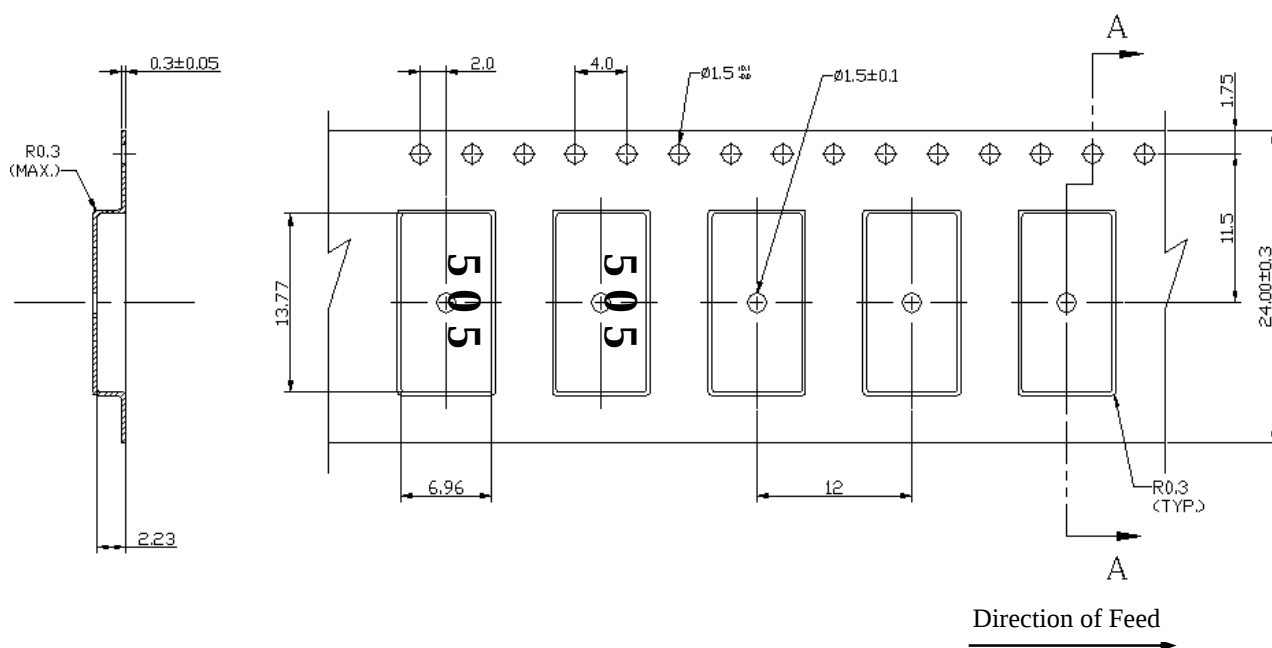


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

