



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: SAW Filter 2345 MHz SMD 3.0x3.0 mm (BW=90 MHz)

TST Part No.: TA1769A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 

Approved by: _____ Bob Chau 

Date: _____ 2014/07/22

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 2345 MHz

MODEL NO.:TA1769A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 5 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

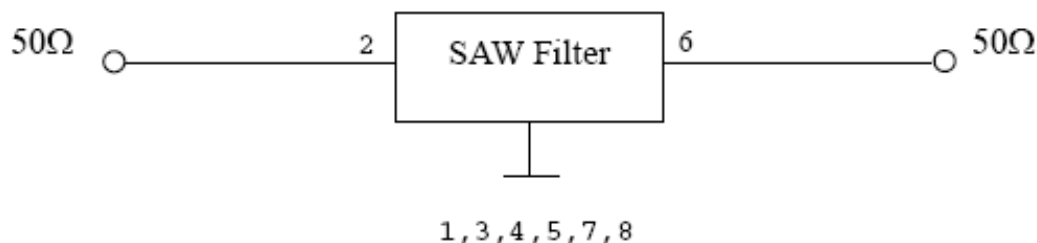
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

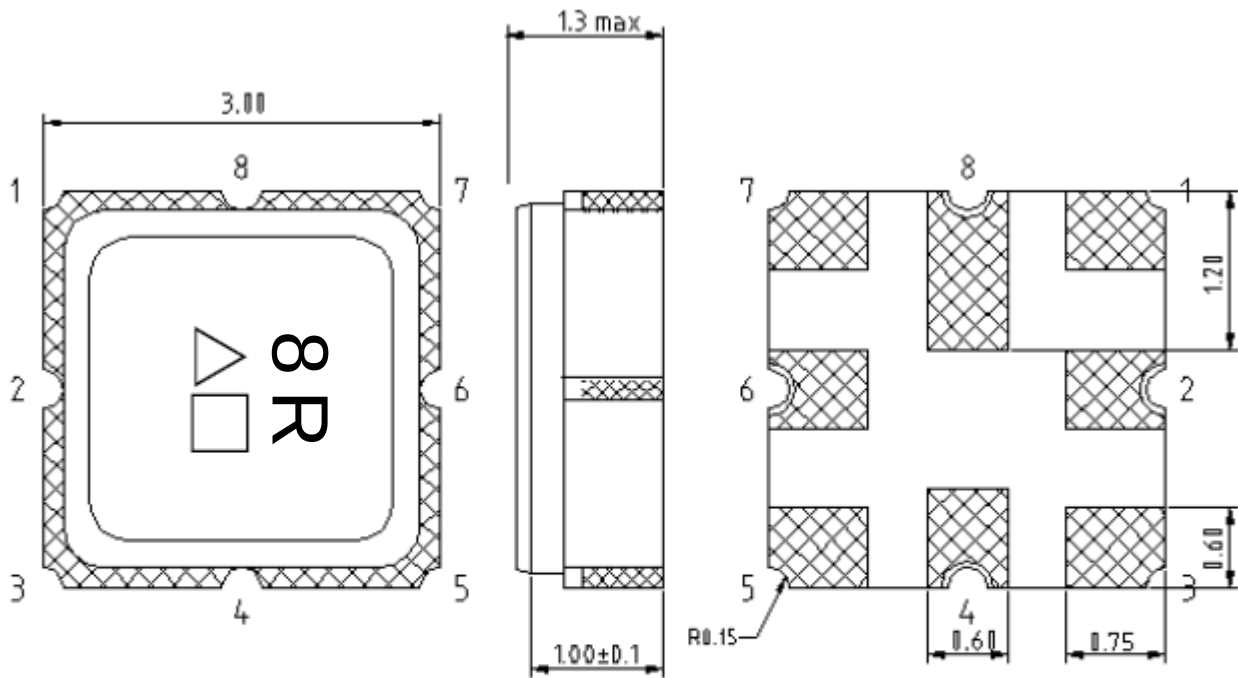
Item	Unit	Min.	Typ.	Max.
Center Frequency F_c	MHz	-	2345	-
Insertion Loss (2300 ~ 2390 MHz) IL	dB	-	2.8	4
Amplitude Ripple (2300 ~ 2390 MHz)	dB	-	1.5	2.5
VSWR (2300 ~ 2390 MHz)	-	-	2	2.5
Group delay ripple (2300 ~ 2390 MHz)	ns	-	15	50
Relative Attenuation (relative to 0 dB)				
D.C. ~ 2200 MHz	dB	23	28	-
2500 ~ 4000 MHz	dB	25	34	-
Temperature Coefficient of Frequency	Ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. OUTLINE DRAWING:



2: Input

6: Output

1, 3, 4, 5, 7, 8: Ground

Unit: mm

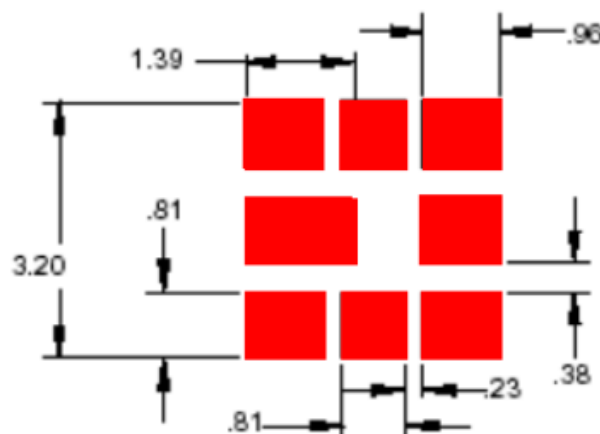
△ : Year Code (2011->1, 2012->2, ..., 2019->9, 2020->0)

□ : Date Code

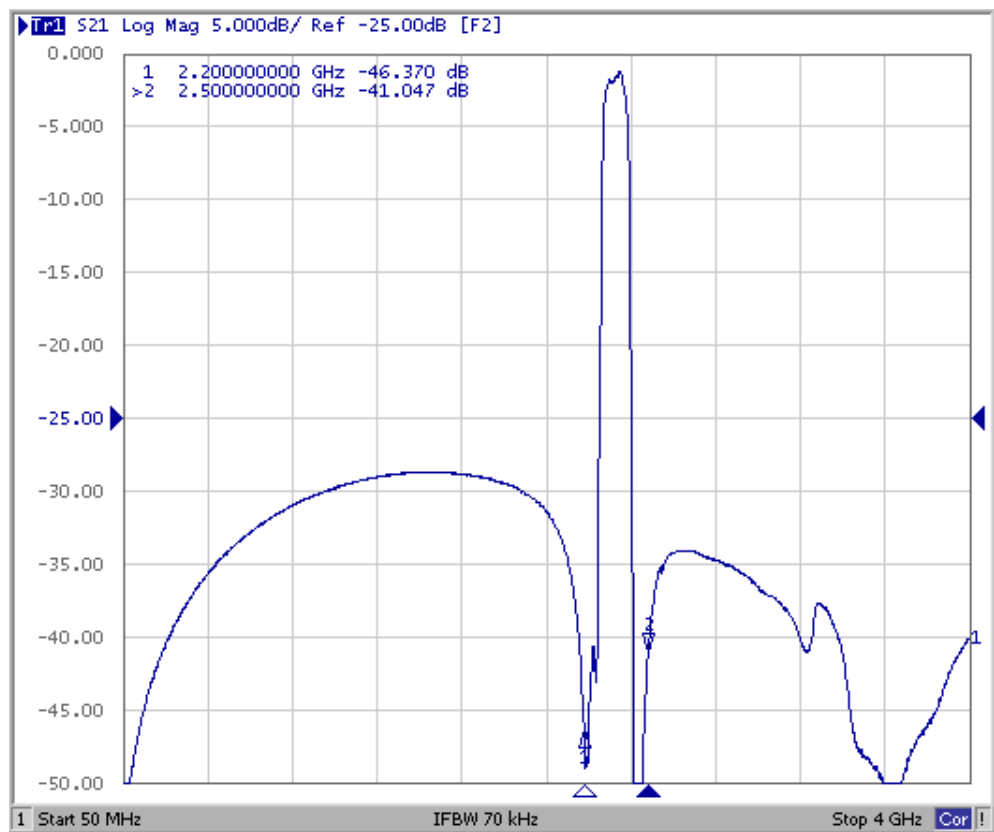
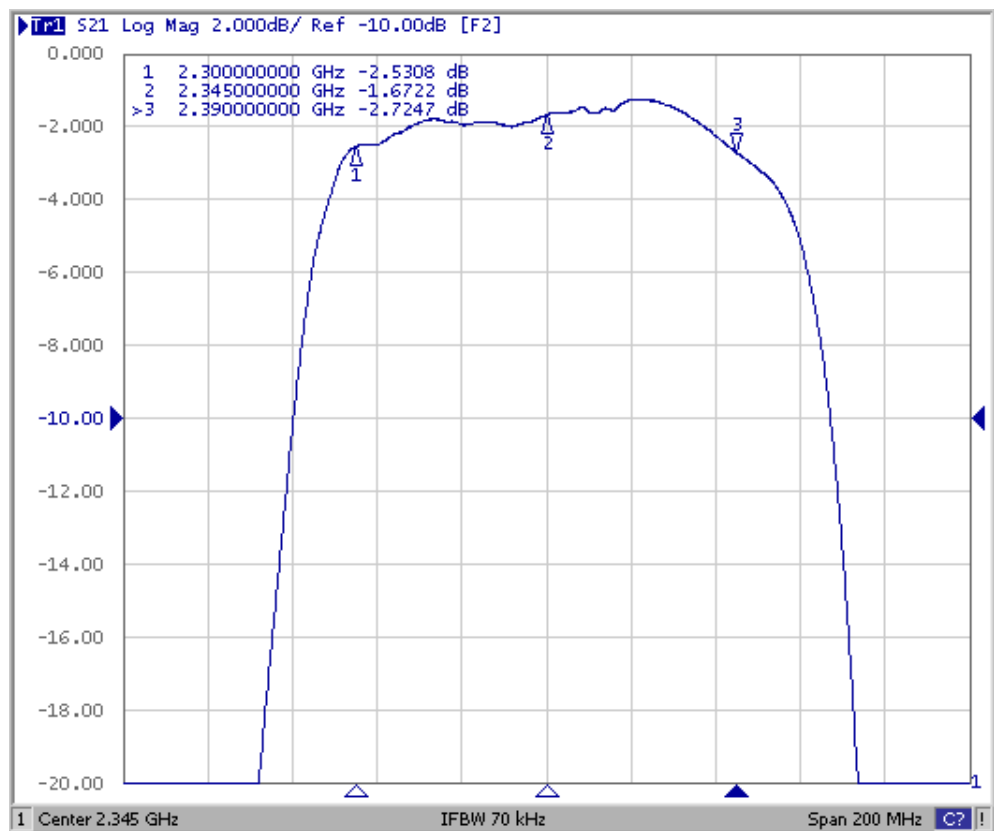
Date Code Table:

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

E. PCB Footprint:

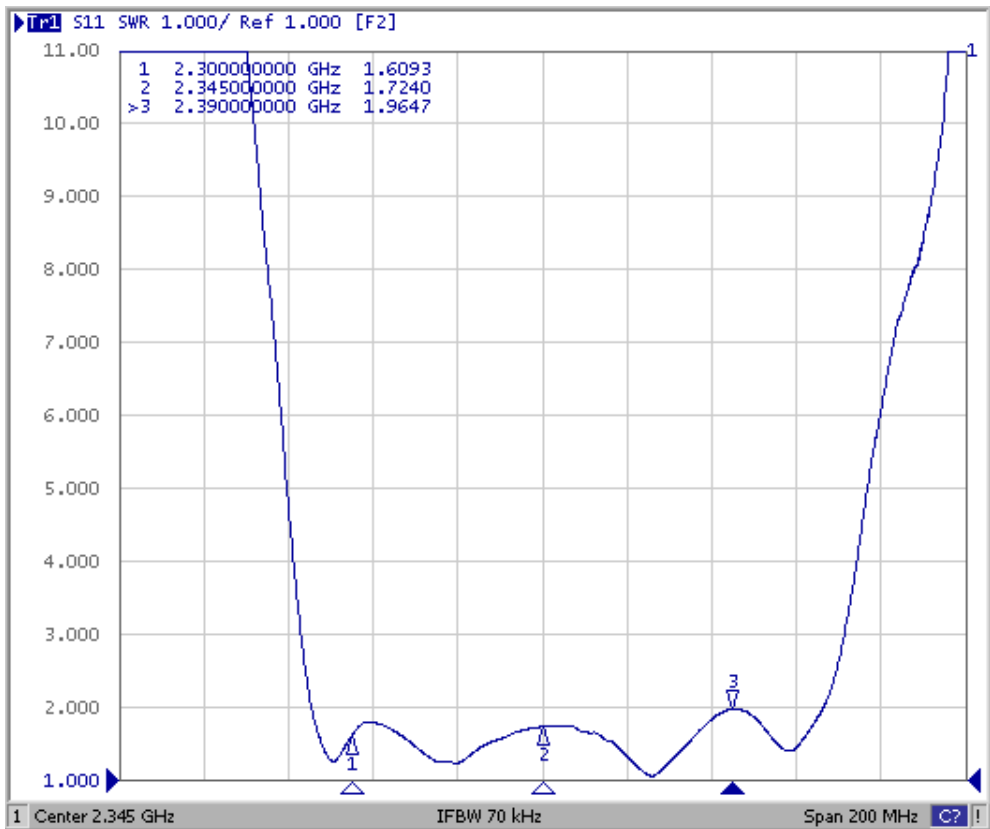


F. Frequency Characteristics:

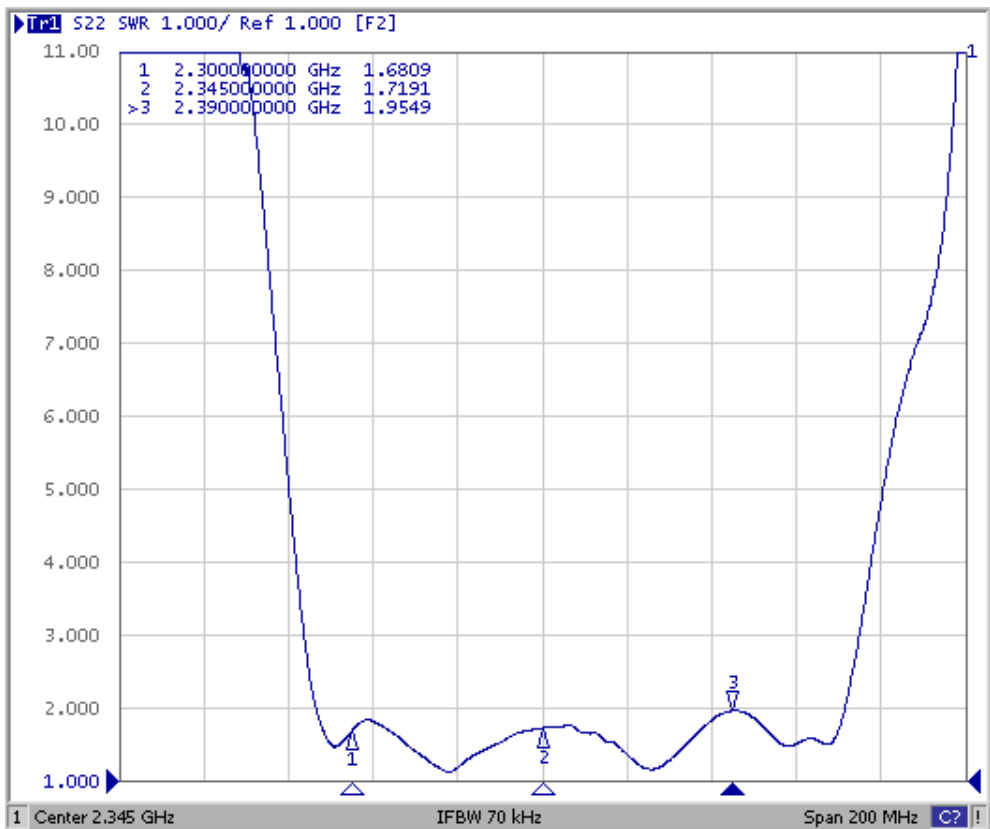


Reflection Functions:

S11



S22



1. REEL DIMENSION

See DETAIL "A"

Technical drawing of a circular plate. The plate has a central hole. A leader line points from the text "See DETAIL 'A'" to the central hole. The drawing includes a dashed circle representing the hole and a dashed line representing the center. To the right of the plate, there is a vertical dimension line with two horizontal reference lines. The top reference line is labeled "ø100 REF." and the bottom reference line is labeled "ø330 REF.". Below the plate, there is a detail view of the central hole, showing a cross-section of the hole with a diameter of ø13.0 and a depth of 2.0. The detail view also shows a diameter of ø20.2 for the hole's opening.

[illegible]

H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 250±10°C peak (max. 10sec).
4. Time: 2 times.

