



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Name: SAW Filter 2595 MHz (BW 50MHz) SMD 1.4X1.1 mm

TST Parts No.: TA1711A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Michael Yang 

Approval by: _____ Bob 

Date: _____ 2014,03,19

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 2395MHz

MODEL NO.:TA1711A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

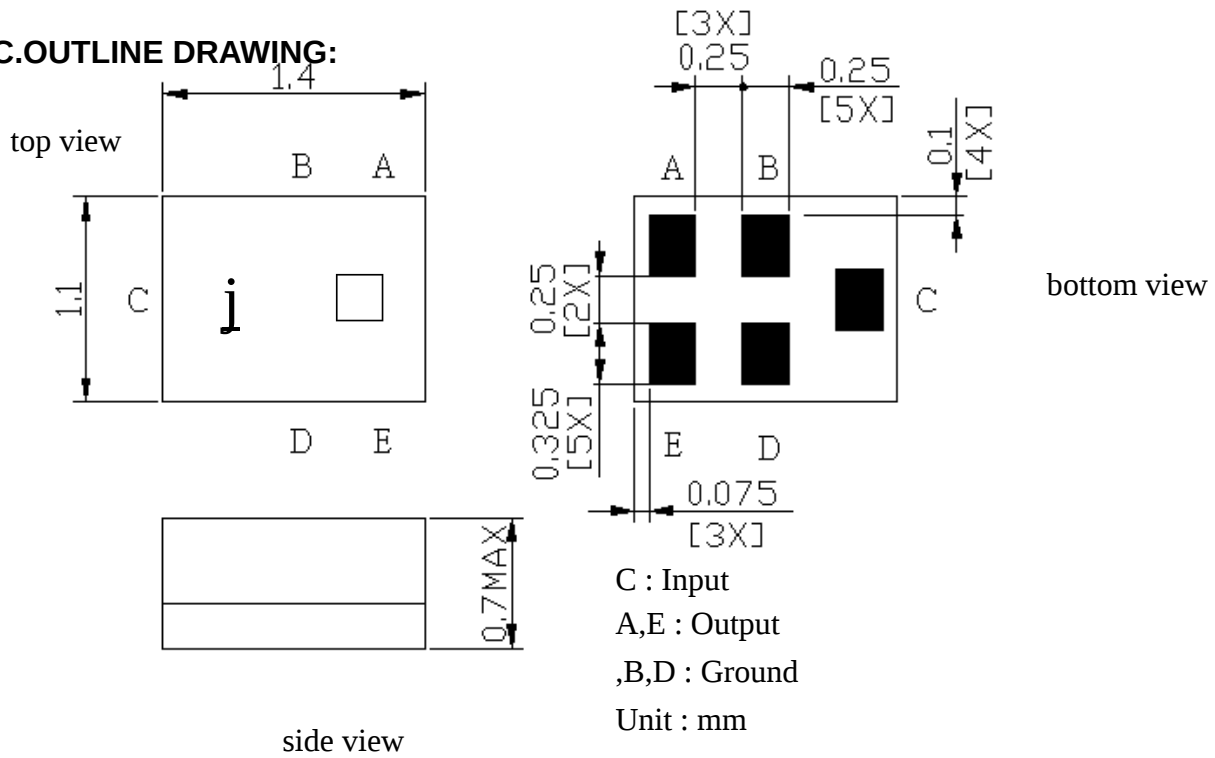
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single) : $Z_s = 50 \Omega$

Terminating load impedance (differential) : $Z_L = 150 \Omega // 24nH$

Item	Unit	Min.	Type.	Max.
Center Frequency Fc	MHz	-	2395	-
Insertion Loss (2570~2620 MHz) IL	dB	-	2.7	3.8
VSWR (2570~2620 MHz)		-	2.2	2.5
Amplitude ripple (2570~2620 MHz)	dB	-	1.3	2.0
Attenuation				
0.1 ~ 200 MHz	dB	50	60	-
200 ~ 1570 MHz	dB	40	45	-
1570 ~ 1580 MHz	dB	40	45	-
1580 ~ 2300 MHz	dB	35	40	-
2300 ~ 2400 MHz	dB	30	35	-
2400 ~ 2485 MHz	dB	20	25	-
2680 ~ 2705 MHz	dB	15	20	-
2705 ~ 3000 MHz	dB	20	25	-
3000 ~ 4000 MHz	dB	35	40	-
Package size	mm	SMD 1.4x1.1		

C.OUTLINE DRAWING:

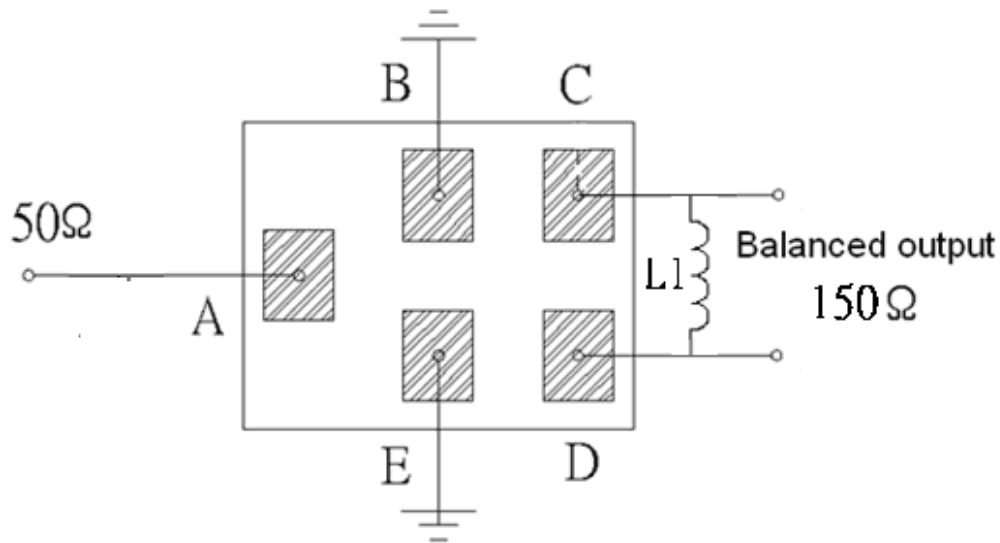


□ : Year/Month Code (Follow the table)

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
2019	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>	<u>g</u>	<u>h</u>	<u>j</u>	<u>k</u>	<u>l</u>	<u>m</u>
2020	<u>n</u>	<u>p</u>	<u>q</u>	<u>r</u>	<u>s</u>	<u>t</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>x</u>	<u>y</u>	<u>z</u>

D. MEASUREMENT CIRCUIT:

$L1=24\text{nH}$,

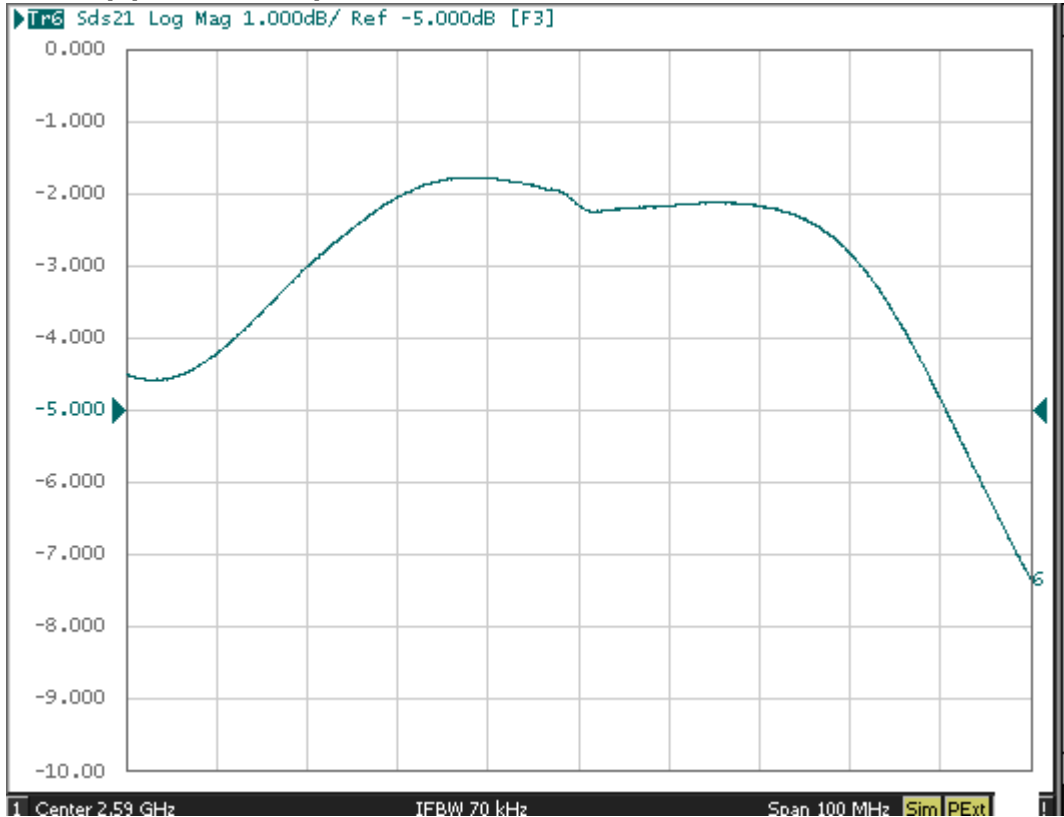


E. Frequency Characteristics :

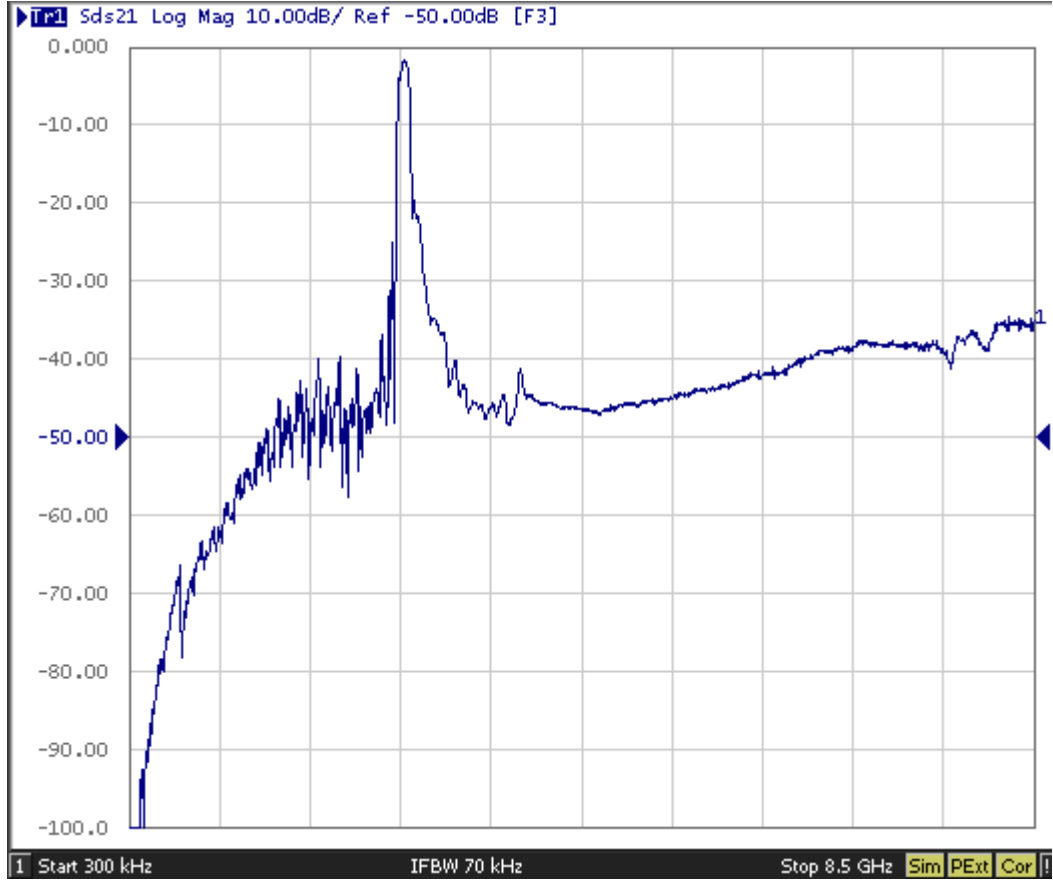
S21 response: (span 500MHz)



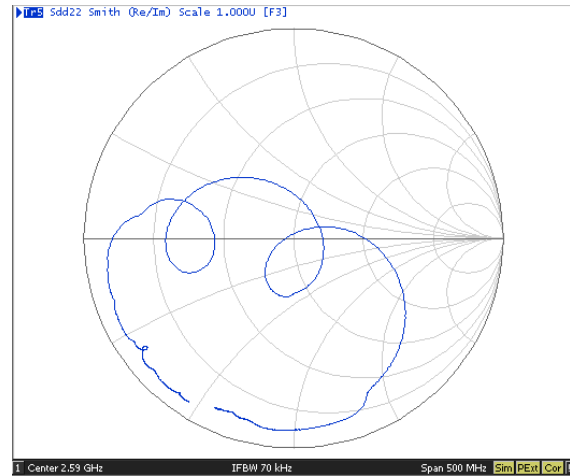
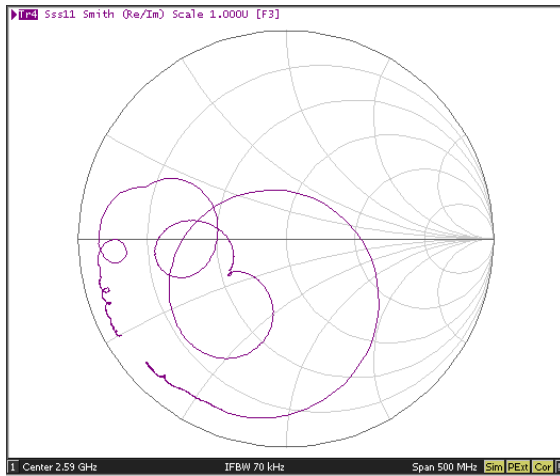
S21 response: (span 100MHz)



S21 response: (300KHz ~ 8.5GHz)



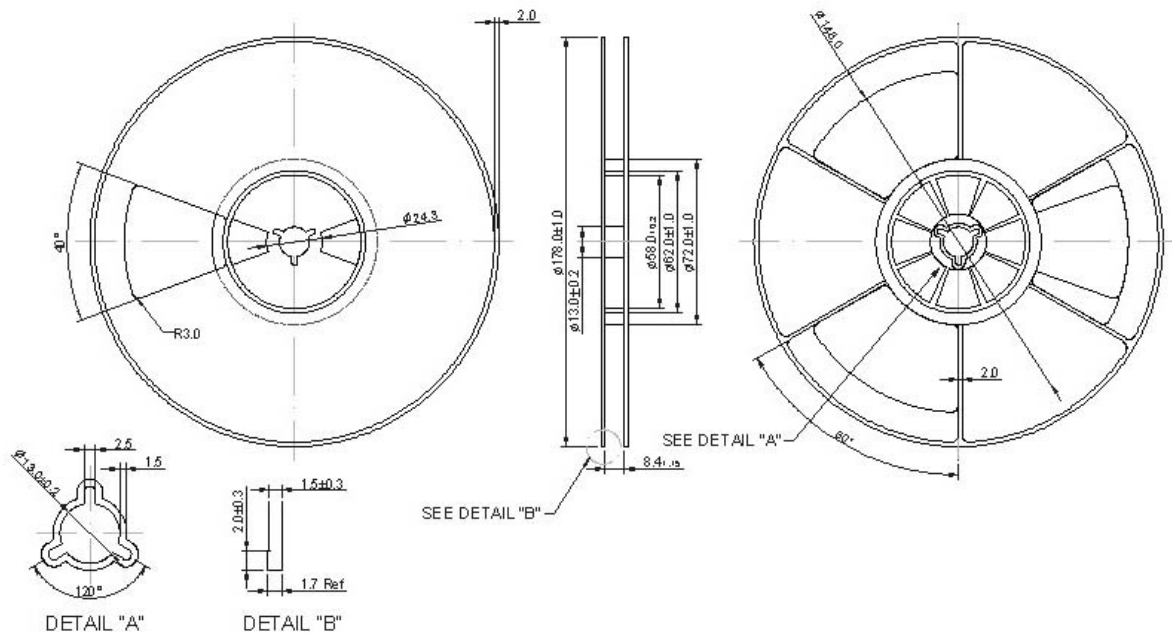
S11/S22 response :



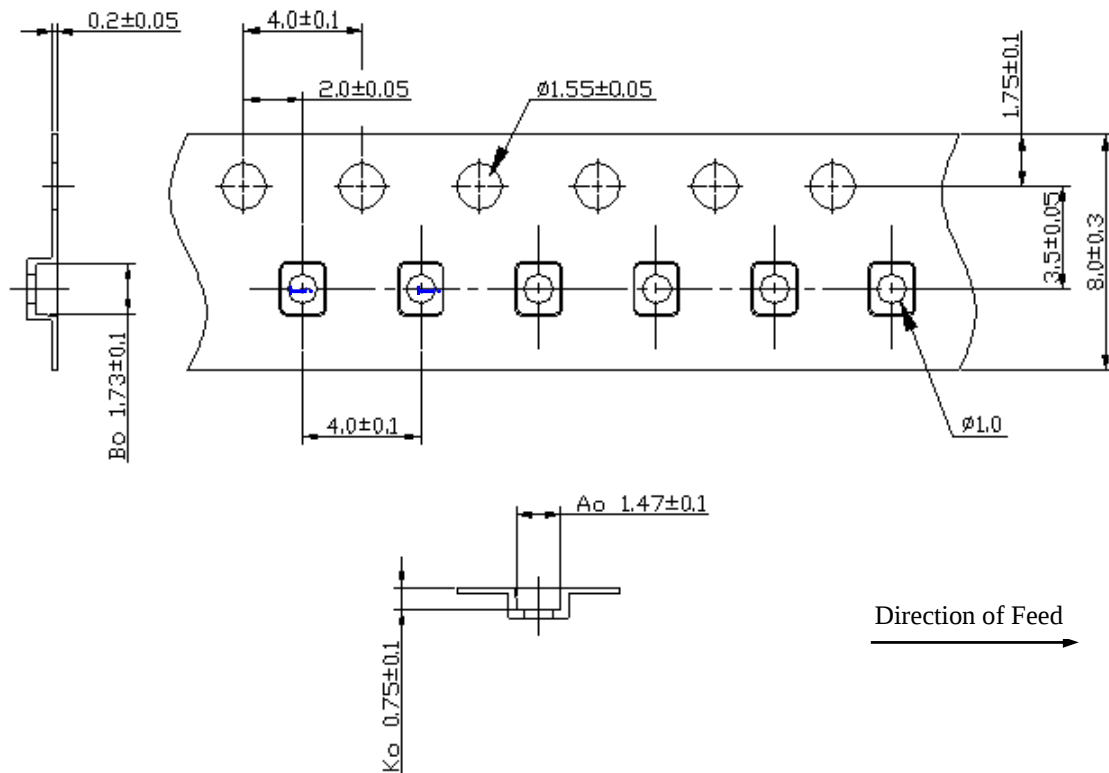
F. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2.TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

