



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 Description: SAW Filter 2017.5 MHz SMD 2.0x1.4 mm (BW=15 MHz)

TST Part No.: TA0946A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ David Chang 張閔智

Approved by: _____ Francis Chen 

Date: _____ 2011/08/19

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 2017.5 MHz

MODEL NO.: TA0946A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
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)

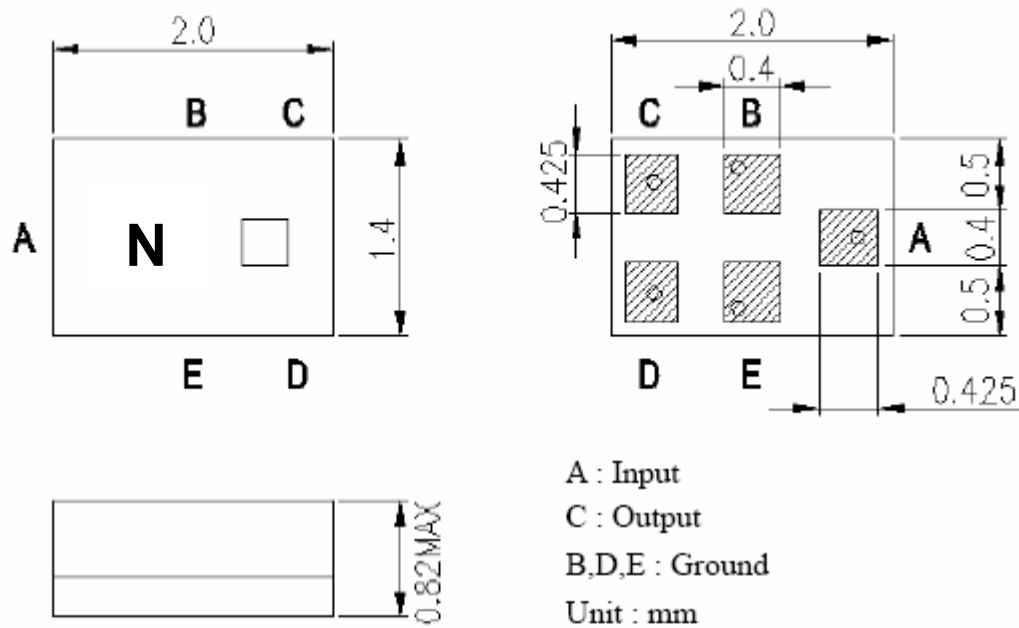
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single-ended): $Z_S=50\Omega$

Terminating load impedance (single-ended): $Z_L=50\Omega$

Item	Unit	Min.	Type.	Max.
Center frequency F_c	MHz	-	2017.5	-
Insertion Loss (2010~2025 MHz) IL	dB	-	1.6	2.5
Amplitude Ripple (2010~2025 MHz)	dB	-	0.3	1.5
VSWR (2010~2025 MHz)	-	-	1.3	2.0
Attenuation (Reference level from 0 dB)				
D.C. ~ 1820 MHz	dB	21	25	-
1820 ~ 1850 MHz	dB	28	33	-
1850 ~ 1950 MHz	dB	21	28	-
2085 ~ 2400 MHz	dB	21	26	-
2400 ~ 2430 MHz	dB	25	28	-
2430 ~ 3000 MHz	dB	25	28	-
3000 ~ 4010 MHz	dB	28	35	-
4010 ~ 6000 MHz	dB	15	27	-
Temperature coefficient of frequency TCf	ppm /°C	-	-34	-

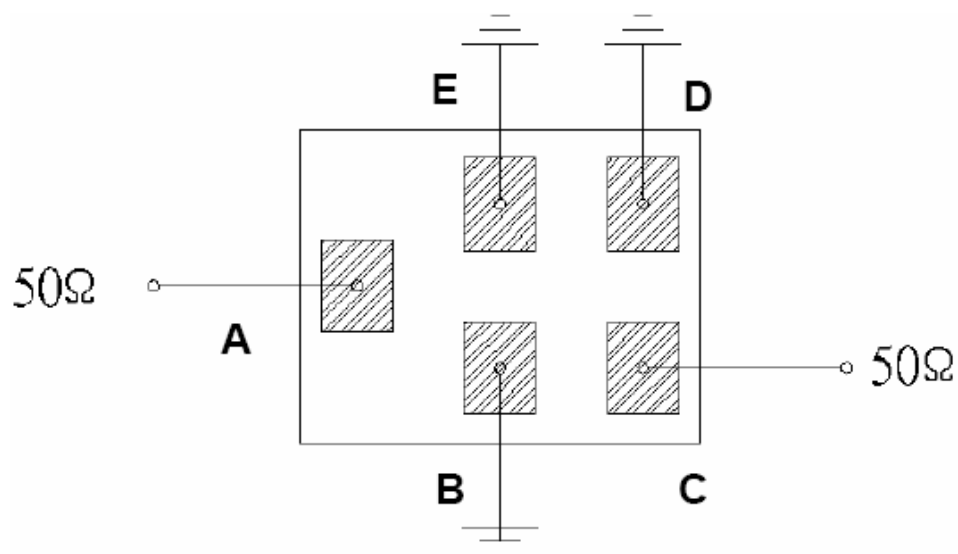
C. OUTLINE DRAWING:



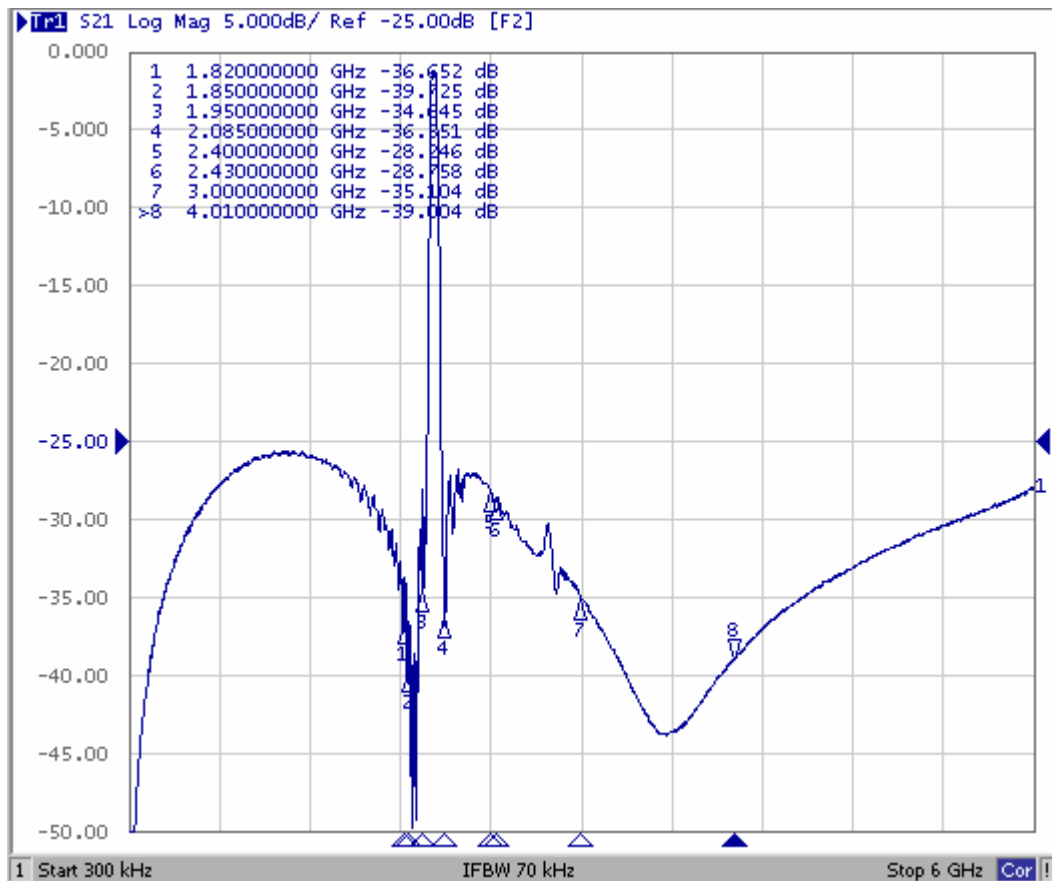
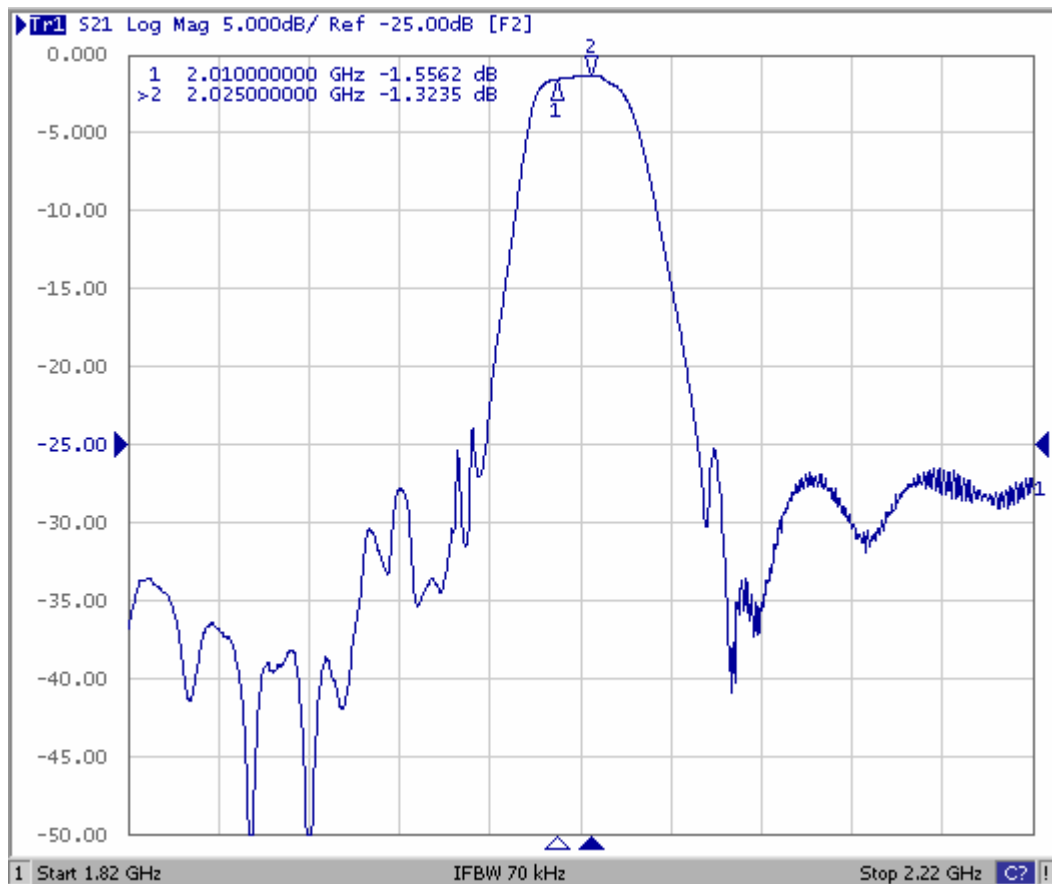
□ : Year/Month Code (Follow the table)

Year/Month	1	2	3	4	5	6	7	8	9	10	11	12
2009	A	B	C	D	E	F	G	H	J	K	L	M
2010	N	P	Q	R	S	T	U	V	W	X	Y	Z
2011	a	b	c	d	e	f	g	h	j	k	l	m
2012	n	p	q	r	s	t	u	v	w	x	y	z
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

D. MEASUREMENT CIRCUIT:

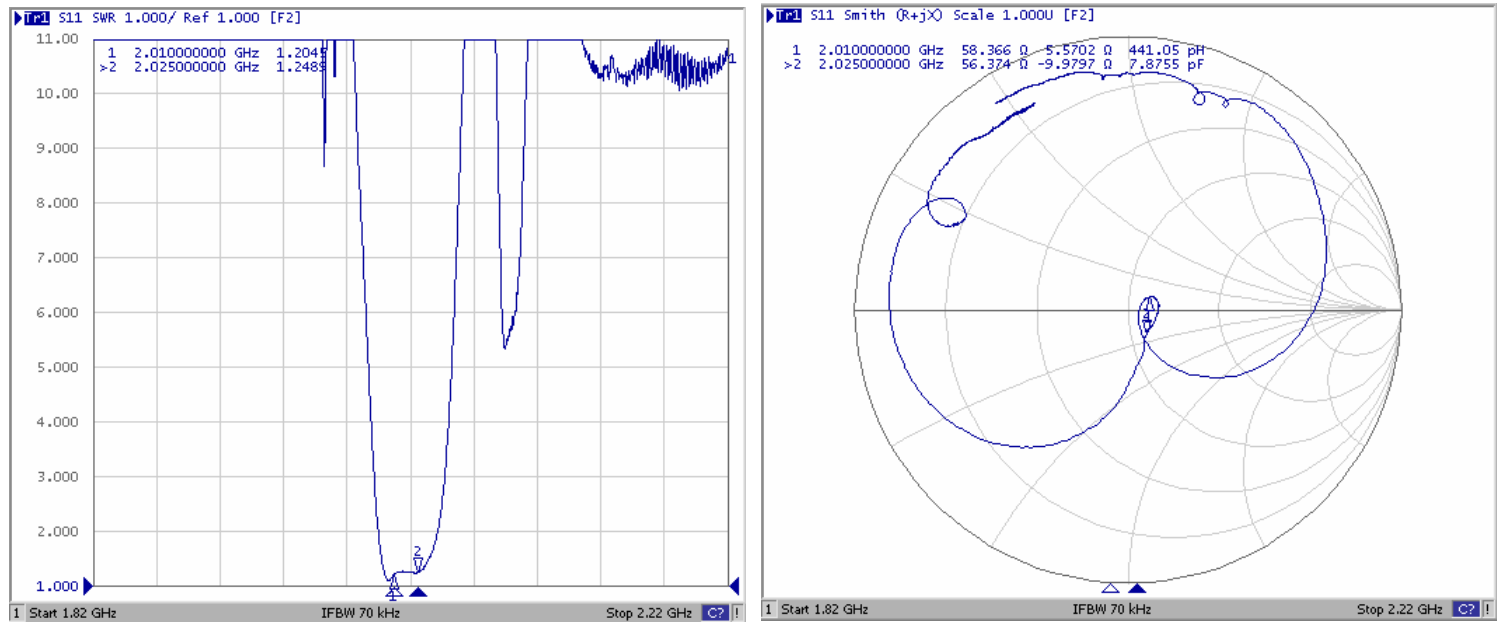


E. Frequency Characteristics:

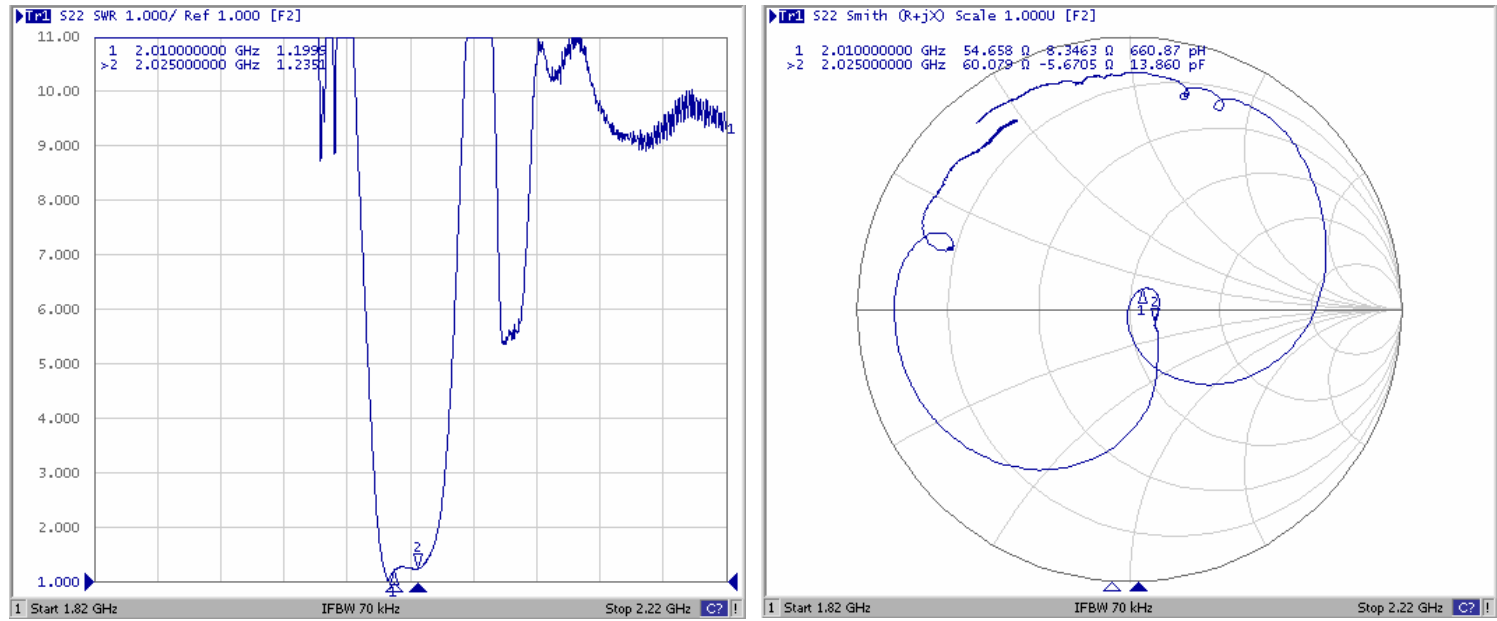


Reflection Functions:

S11



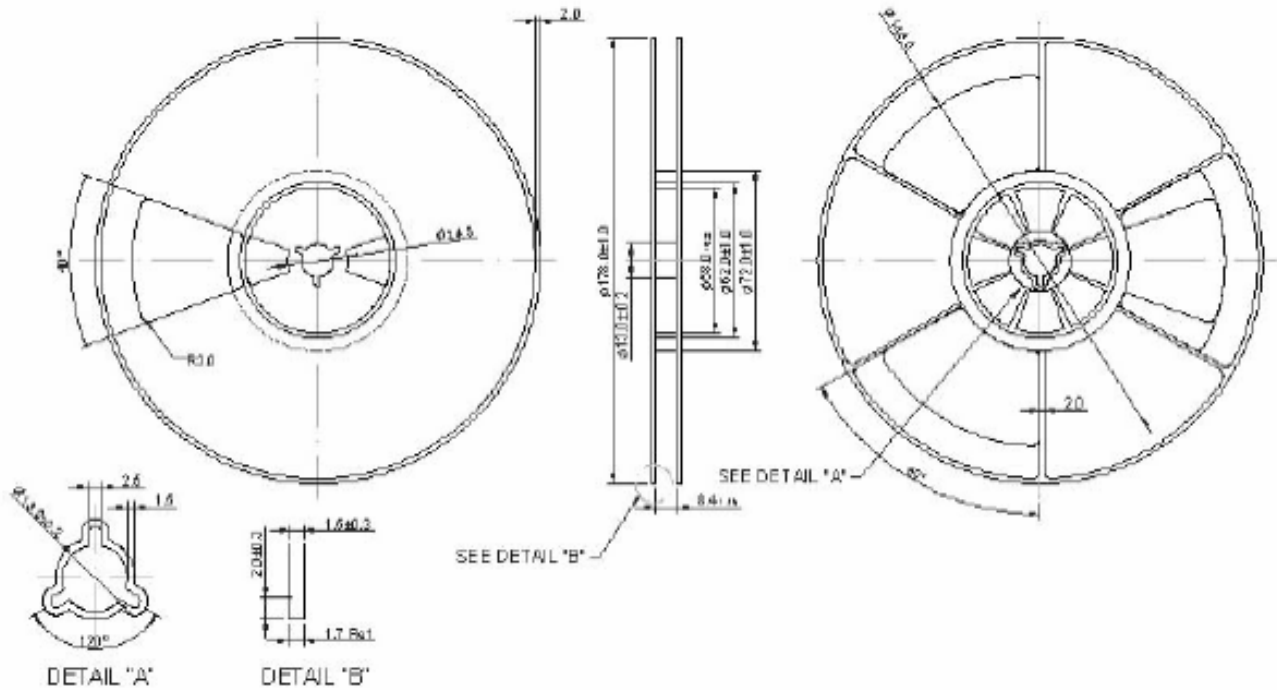
S22



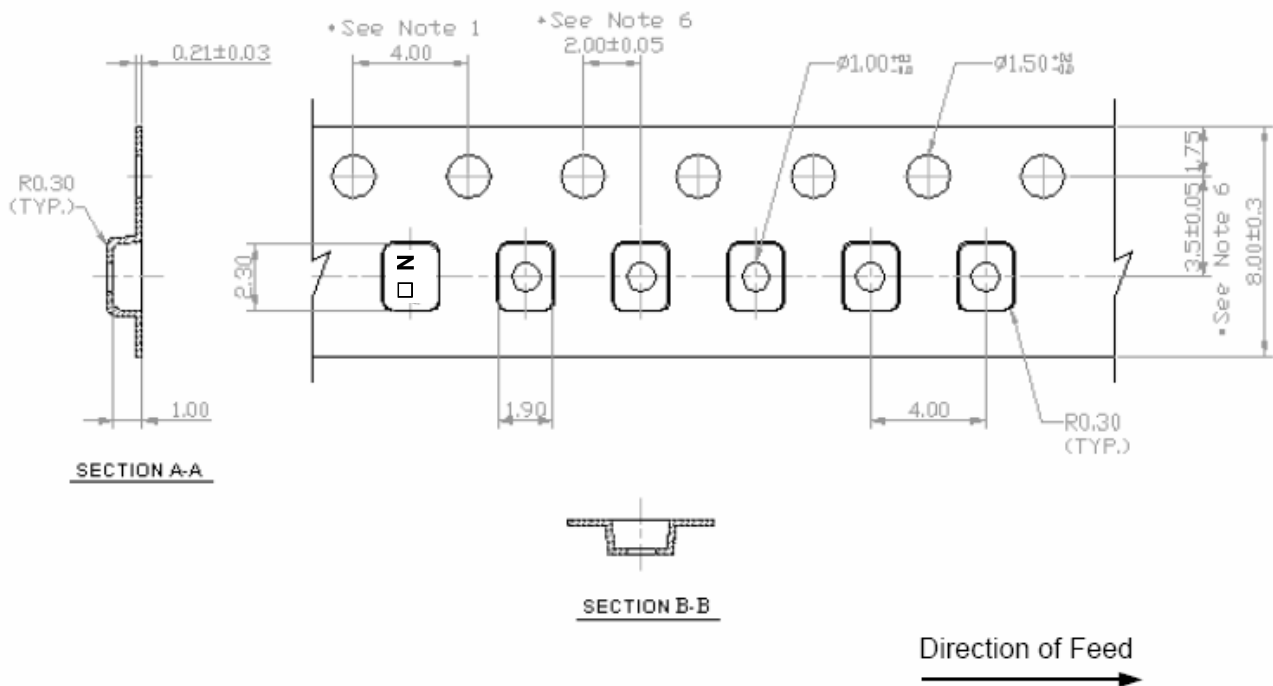
F. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=2000)



2.TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE:

