



# TAI-SAW TECHNOLOGY CO., LTD.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 2017.5MHz SMD 2.0X1.4mm

TST Parts No.: TA0946A

Customer Parts No.: \_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: Asin Lin *Asin Lin*

Approval by: Francis Chen *(Signature)*

Date: 2008/12/29



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## SAW Filter 2017.5 MHz

MODEL NO.: TA0946A

REV. NO.: NO.1

### A. MAXIMUM RATING:

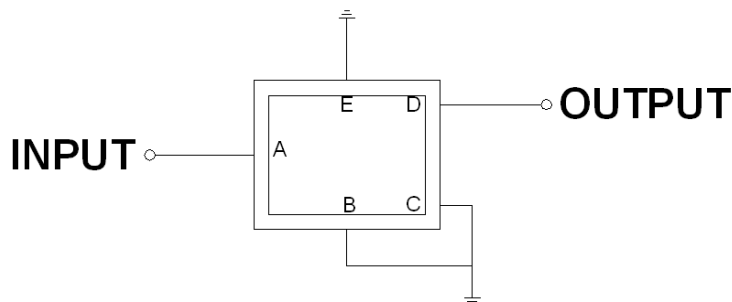
1. Input Power Level: 10 dBm
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

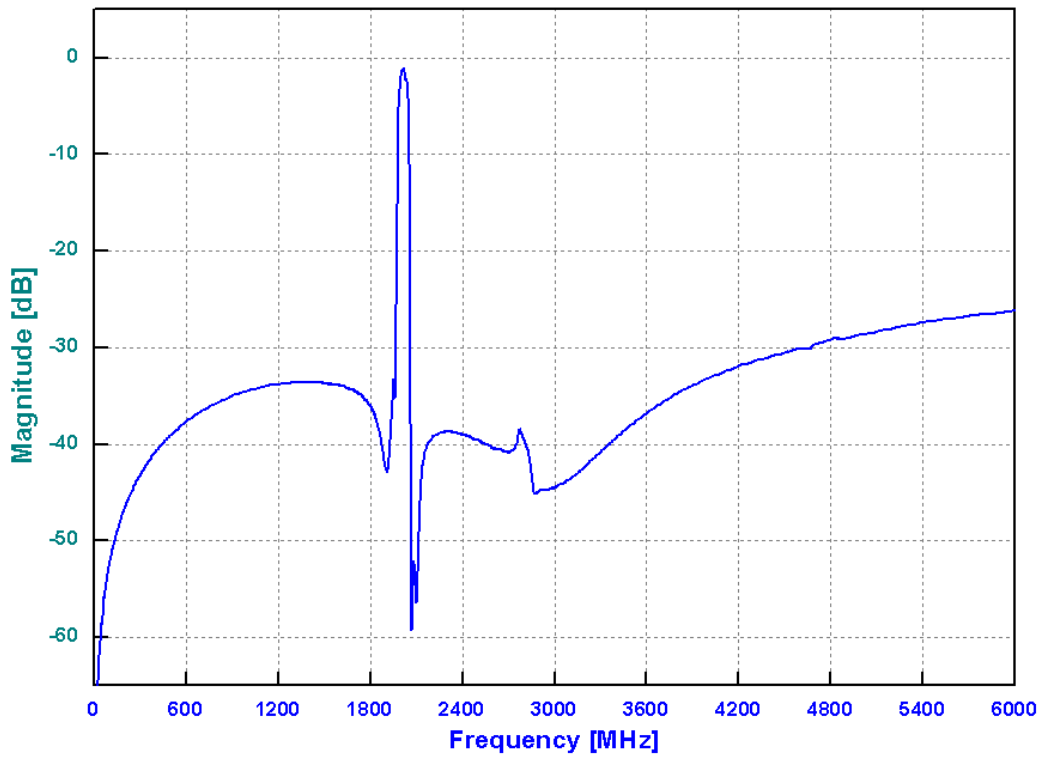
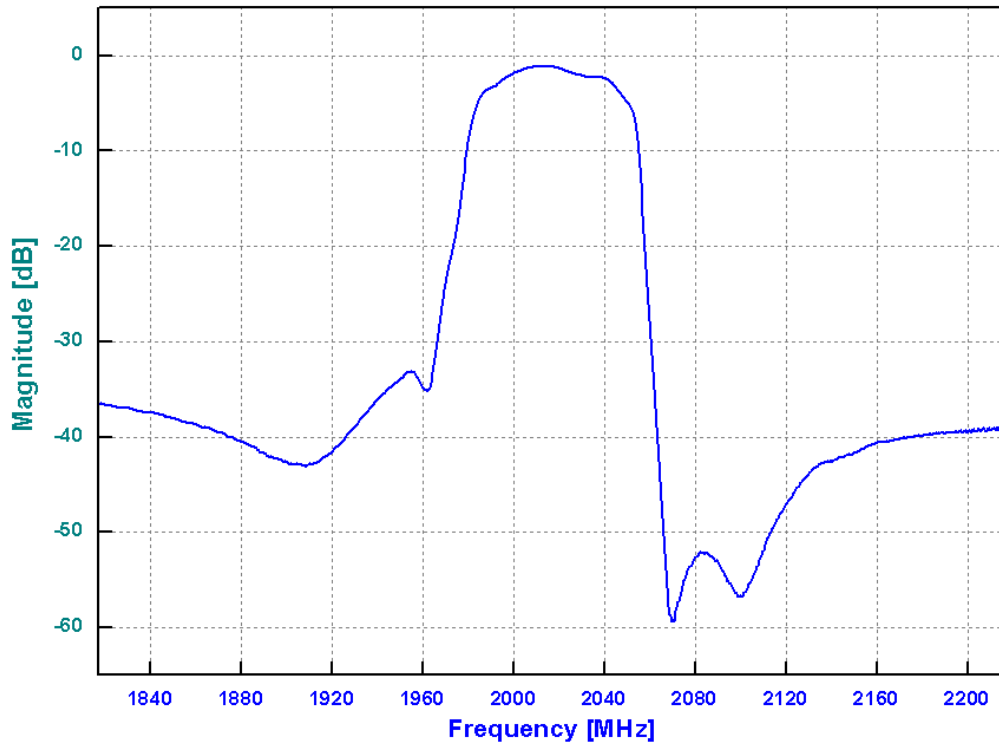
Parameters Description	Unit	Minimu	Typical	Maximum
Center Frequency (Fo)	MHz	-	2017.5	-
Insertion Loss within 2010.0~2025.0	dB	-	1.8	2.5
<i>Amplitude Ripple within 2010.0~2025.0 MHz</i>	dB <sub>p-p</sub>	-	0.6	1.5
<b>Attenuation:</b>				
<i>D.C. ~ 1820.0 MHz</i>	dB	25	33	-
<i>1820.0 ~ 1850.0 MHz</i>	dB	28	35	-
<i>1850.0 ~ 1950.0 MHz</i>	dB	25	33	-
<i>2085.0 ~ 2400.0 MHz</i>	dB	25	38	-
<i>2400.0 ~ 2430.0 MHz</i>	dB	25	38	-
<i>2430.0 ~ 3000.0 MHz</i>	dB	25	38	-
<i>3000.0 ~ 4010.0 MHz</i>	dB	28	33	-
<i>4010.0 ~ 6000.0 MHz</i>	dB	15	26	-
VSWR within 2010.0~2025.0 MHz	-	-	1.3	2.0

### C. MEASUREMENT CIRCUIT:

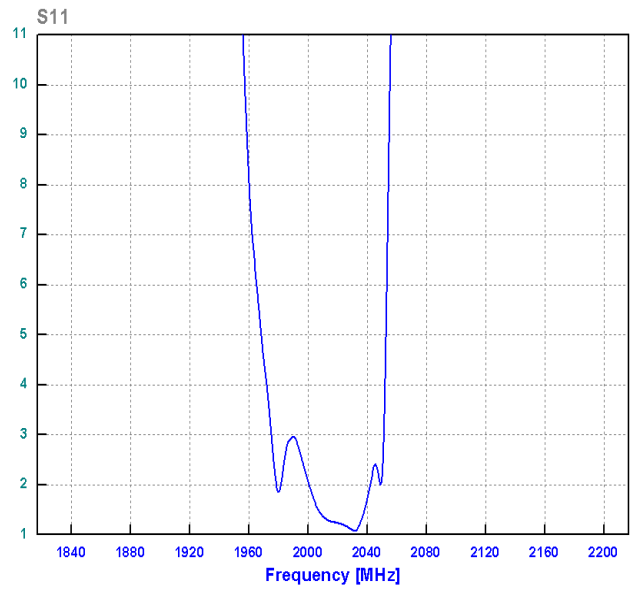
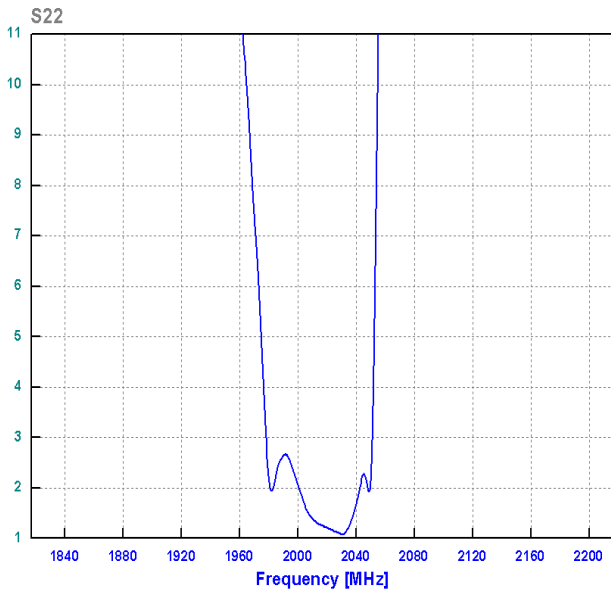


Source & Load Impedance: 50 Ω

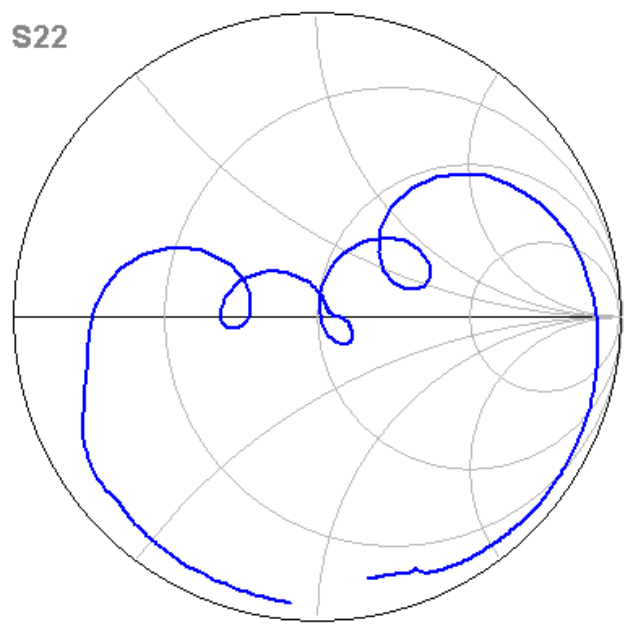
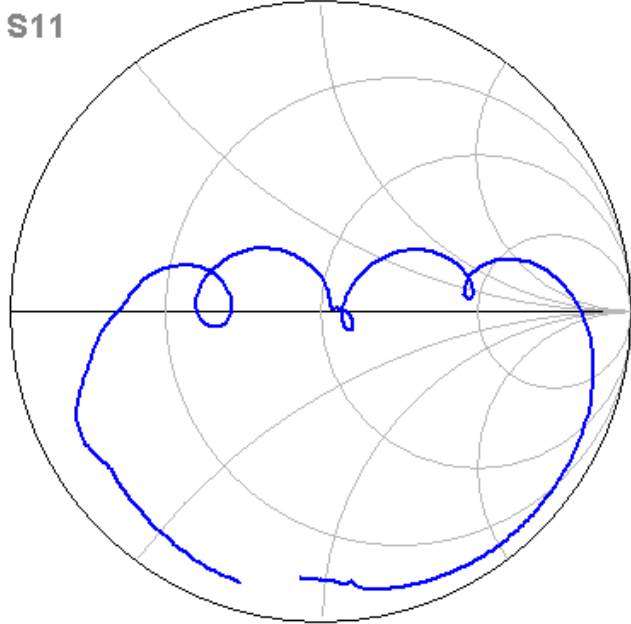
D. FREQUENCY CHARACTERISTICS:



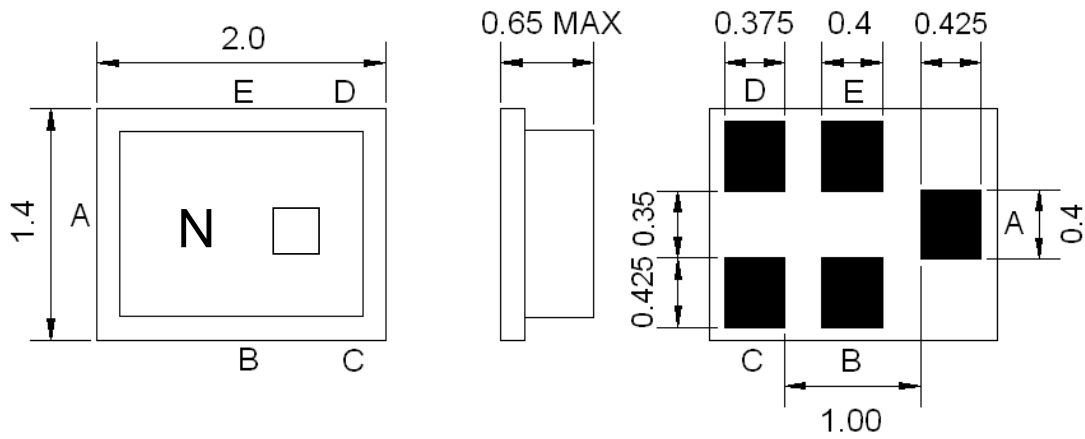
# VSWR



# Smith Chart



**E. OUTLINE DRAWING:**



Marking Descriptions	
N	Series Number
	Date Code(Year+month)

Pin Description	
B, C, E	Ground
A	In
D	Out

: Year/Month Code (Follow the table)

Year/Month	1	2	3	4	5	6	7	8	9	10	11	12
2006	A	B	C	D	E	F	G	H	J	K	L	M
2007	N	P	Q	R	S	T	U	V	W	X	Y	Z
2008	a	b	c	d	e	f	g	h	j	k	i	m
2009	n	p	q	r	s	t	u	v	w	x	y	z
2010	A	B	C	D	E	F	G	H	J	K	L	M
2011	N	P	Q	R	S	T	U	V	W	X	Y	Z