



# TAI-SAW TECHNOLOGY CO., LTD.

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

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: [tstsales@mail.taisaw.com](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Product Specifications Approval Sheet

Product Description: SAW Filter 462.5MHz SMD 3.8×3.8mm (BW=4.8MHz)

TST Part No.: TA1422A

Customer Part No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Kevin Hsu 

Approved by: \_\_\_\_\_ Francis Chen 

Date: \_\_\_\_\_ 10/05/2011

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 462.5 MHz

MODEL NO.:TA1422A

REV. NO.:1.0

### A. MAXIMUM RATING:

1. Input Power Level: 27 dBm
2. DC Voltage : 0V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

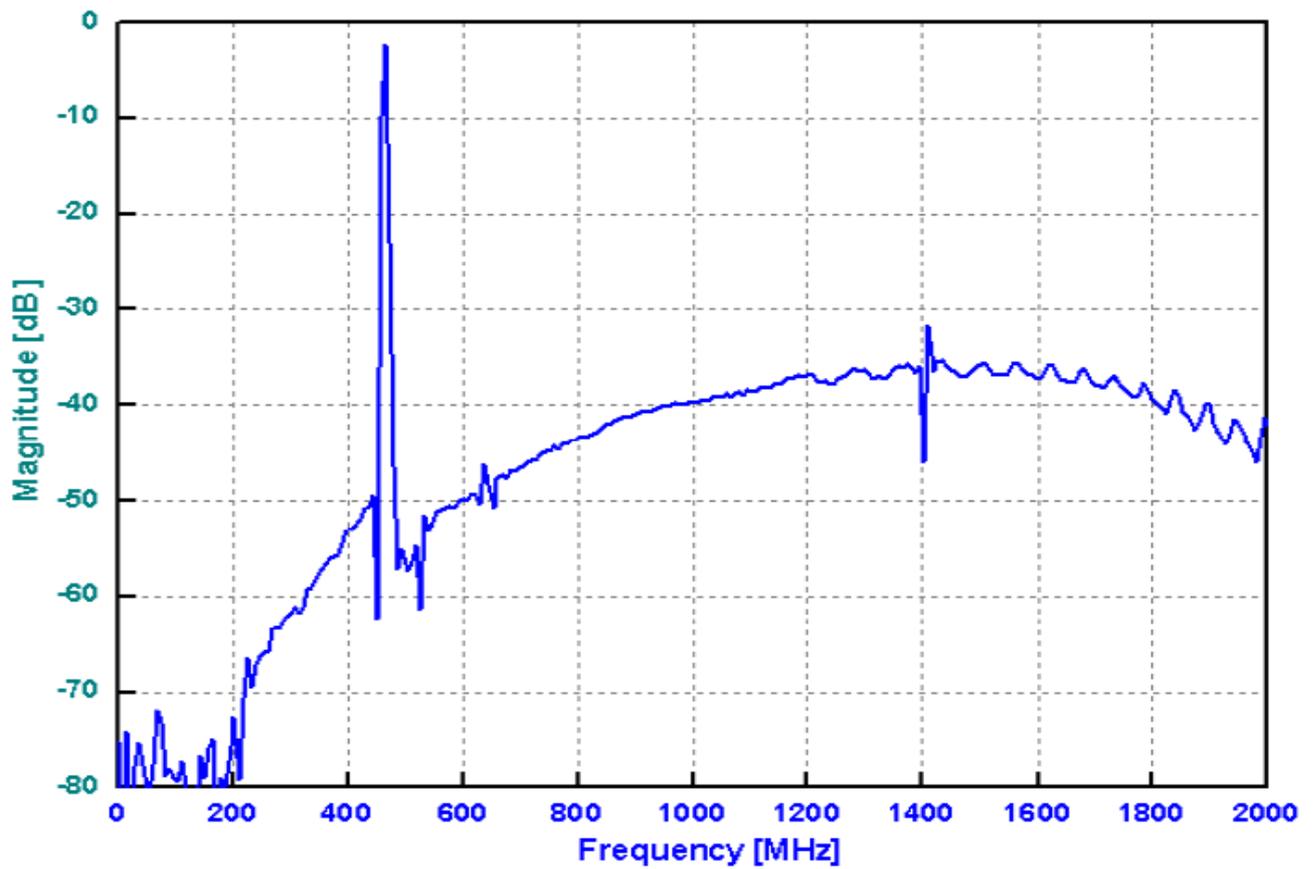
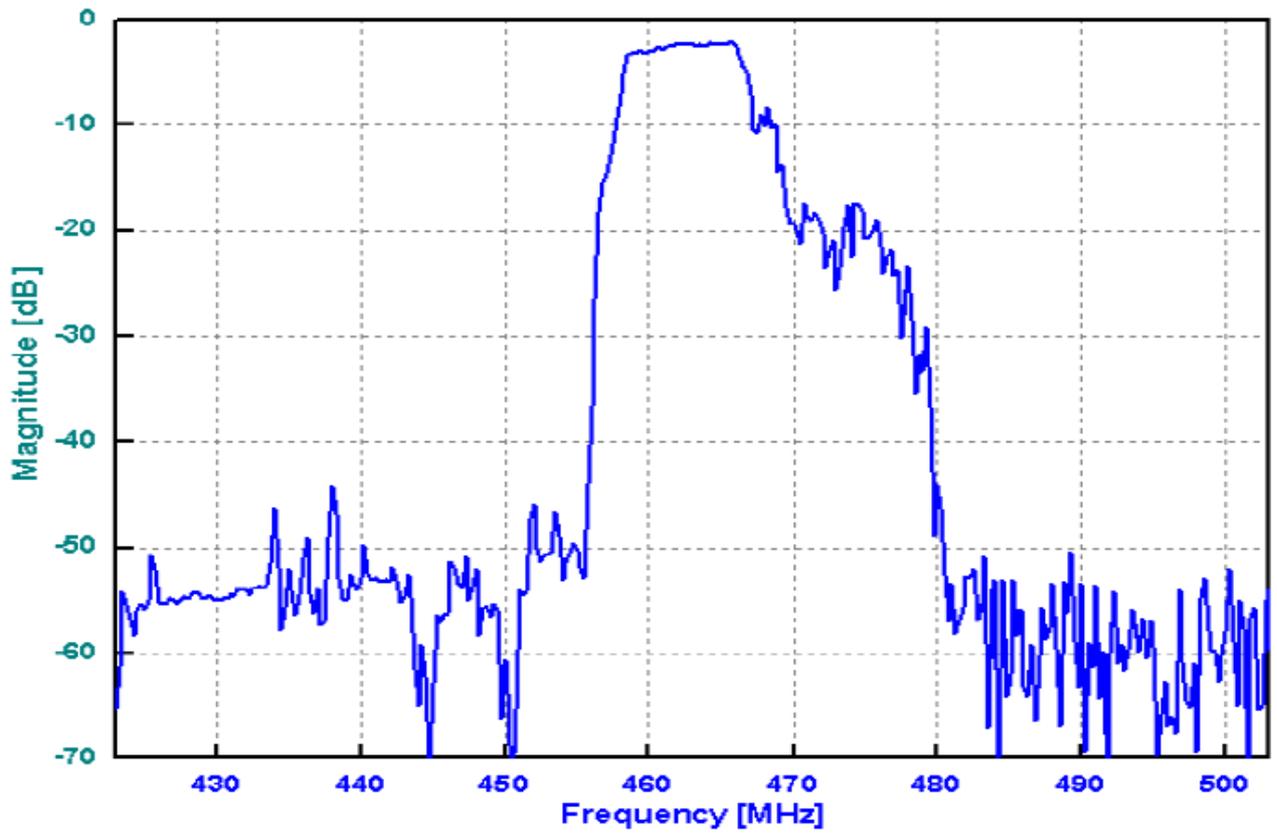


Electrostatic Sensitive Device (ESD)

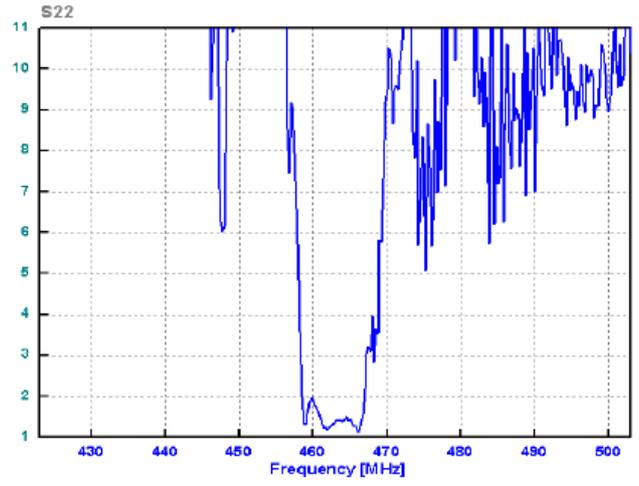
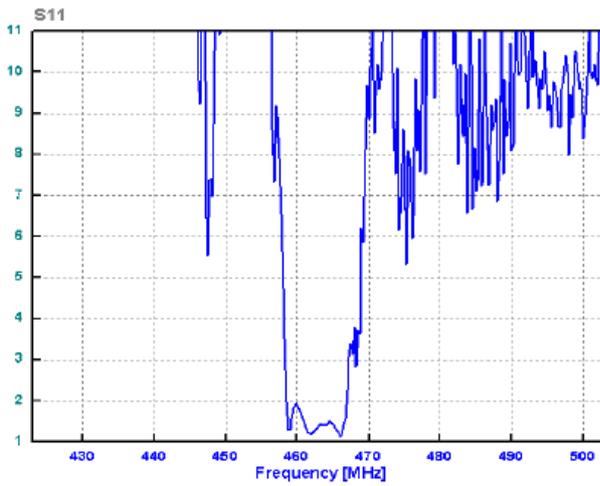
### B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.	Note
Center frequency, $F_c$ (MHz)	-	462.5	-	
Minimum I.L. (dB) (460~464.8MHz)	-	2.8	3.5	
VSWR(460~464.8MHz)	-	1.9	2.4	
Attenuation: (dB )	-	-	-	
0.3~450 MHz	40	45	-	
450~454.8 MHz	35	46	-	
485~505 MHz	40	50	-	
505~1200 MHz	30	41	-	
1200~2000 MHz	20	32	-	
Source Impedance (ohm)	-	50	-	
Load Impedance (ohm)	-	50	-	

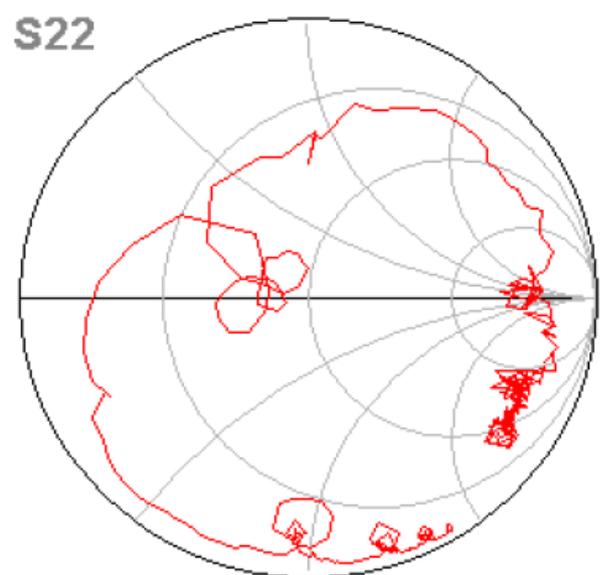
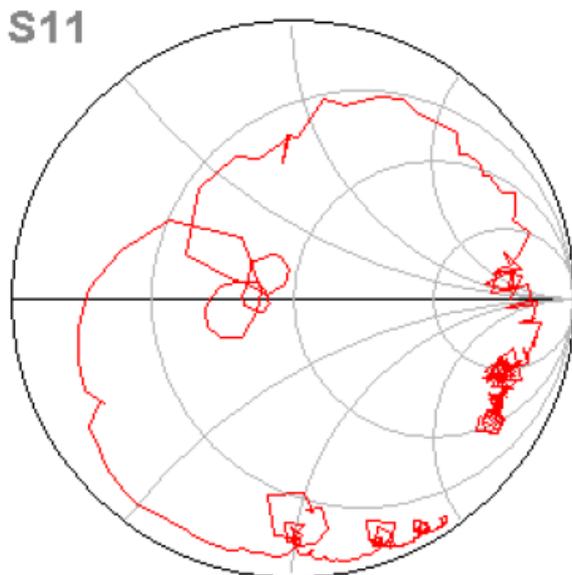
C. Frequency Characteristics :



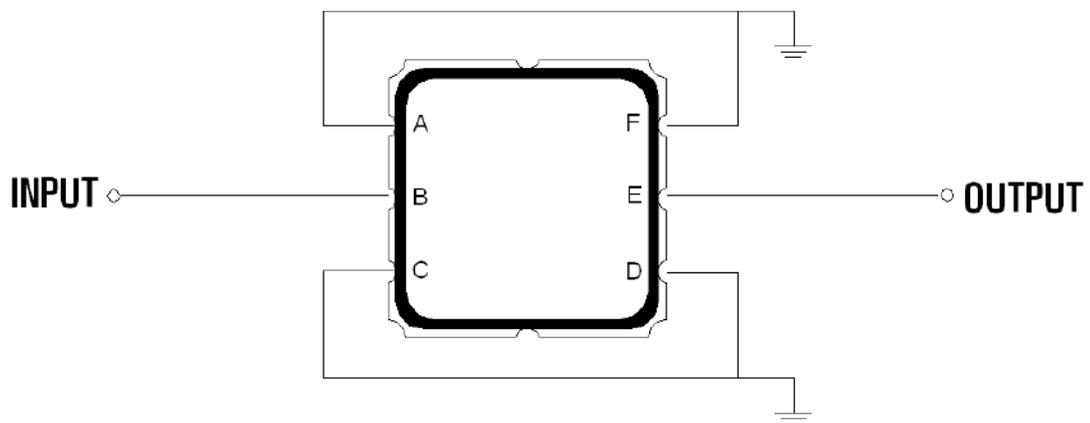
### VSWR



### Smith-Chart:

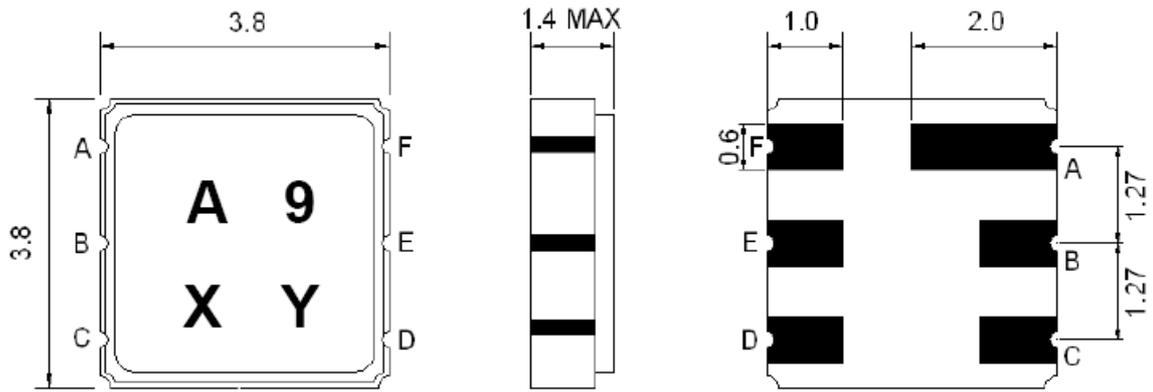


### C. MEASUREMENT CIRCUIT:



Source & Load Impedance: 50Ω/50Ω

**D.OUTLINE DRAWING:**

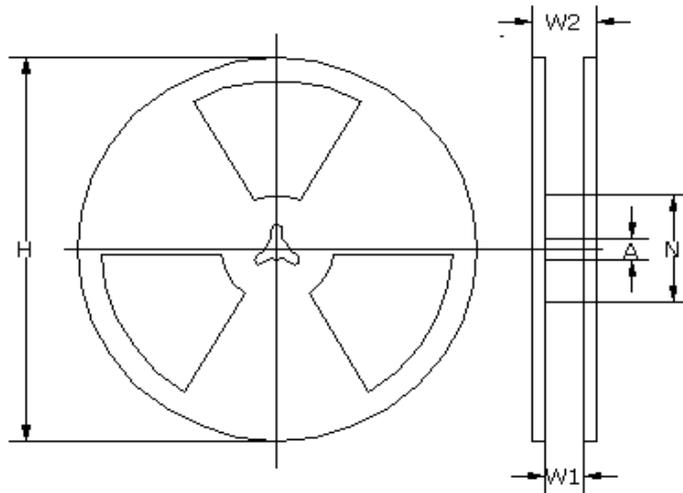


Marking Descriptions	
A	CDMA450 Application
9	Series Number
X	Date Code(Year)
Y	Date Code (Month;1~9,A,B,C)

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

**G. PACKING:**

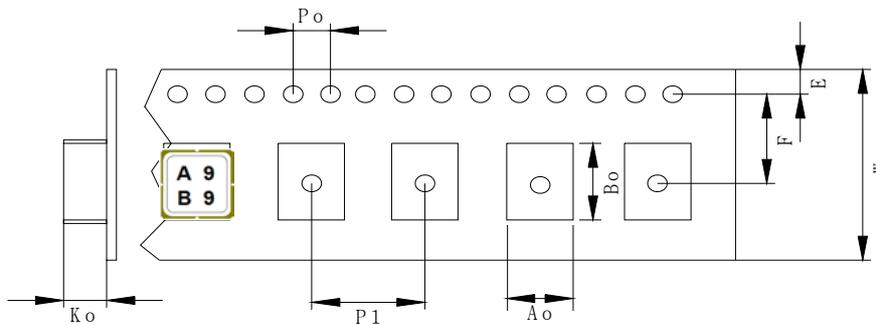
**1. REEL DIMENSION**



(Unit:mm)

A	N	H	W1	W2
$\Phi 13 \pm 0.5$	$\Phi 62 \pm 1.0$	$\Phi 330.0 \pm 1.0$	$12.0 \pm 1.0$	$16.0 \pm 1.0$

**2. TAPE DIMENSION**



(Unit:mm)

A	B	K0	W	E	F	P0	P1
$4.25 \pm 0.1$	$4.25 \pm 0.1$	$1.9 \pm 0.1$	$12.0 \pm 0.3$	$1.75 \pm 0.1$	$5.5 \pm 0.1$	$4.0 \pm 0.1$	$8.0 \pm 0.1$

## H. RECOMMENDED REFLOW PROFILE :

(Temperature measured from Reflow-effected Product Surface)

