



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

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Product Specifications Approval Sheet

Product Description: SAW Filter 452.5MHz SMD 3.8×3.8mm (BW=4.8MHz)

TST Part No.: TA1421A

Customer Part No.: _____

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

Checked by: _____ Kevin Hsu *Kevin*

Approved by: _____ Francis Chen *FC*

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 452.5 MHz

MODEL NO.:TA1421A

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

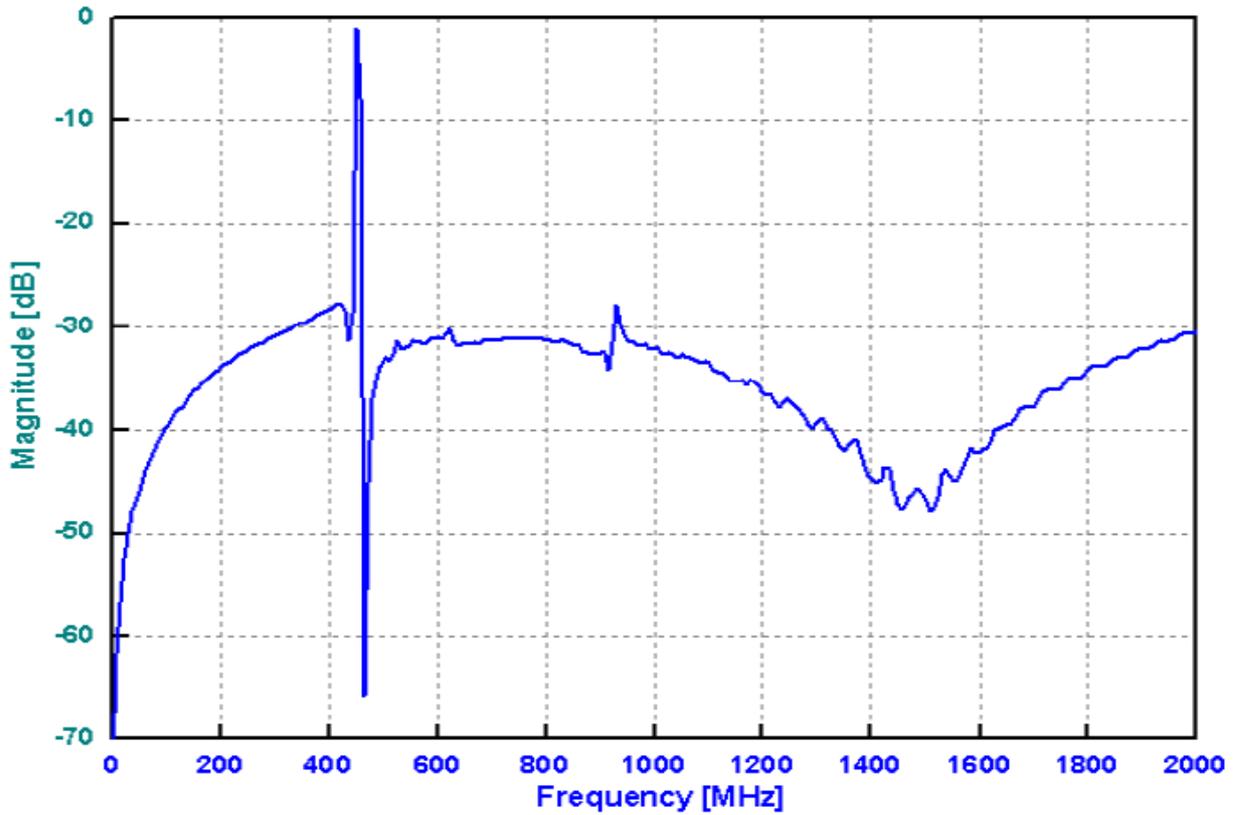
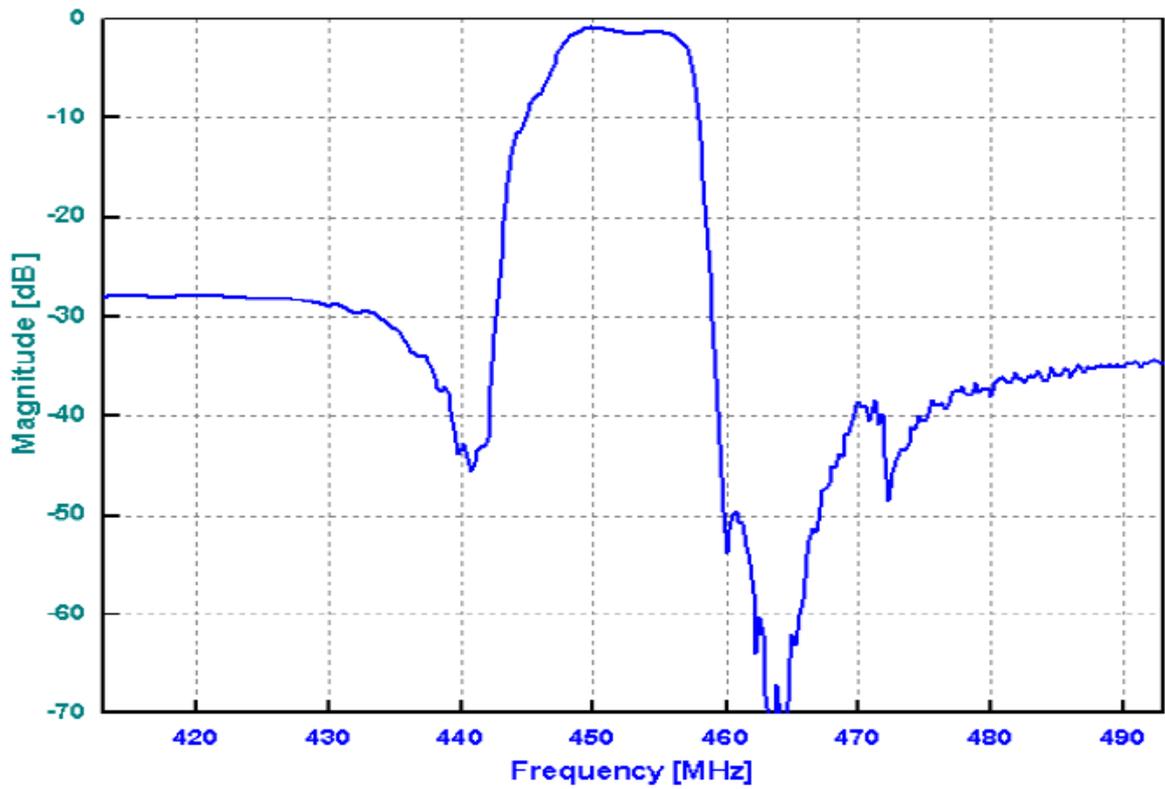


Electrostatic Sensitive Device (ESD)

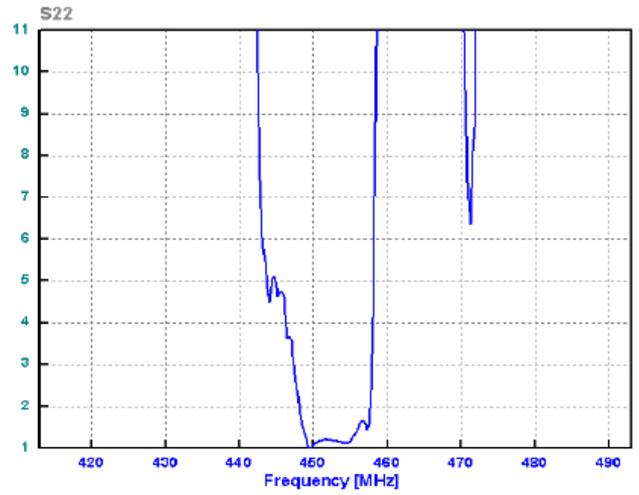
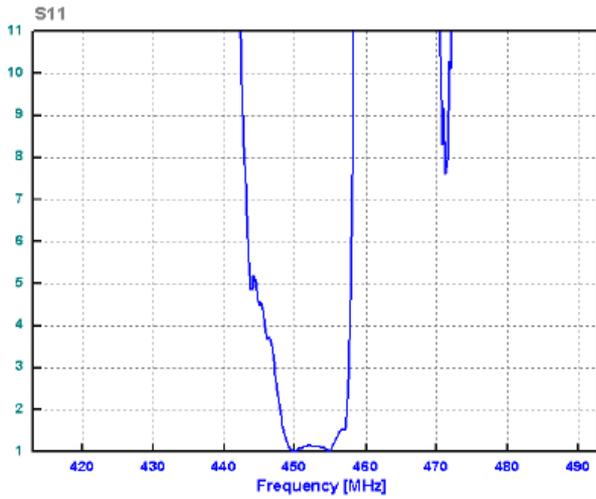
B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.	Note
Center frequency, F_c (MHz)	-	452.5	-	
Minimum I.L. (dB) (450~454.8MHz)	-	1.8	2.8	
VSWR(450~454.8MHz)	-	1.4	2.0	
Attenuation: (dB)	-	-	-	
0.3~440 MHz	25	28	-	
460~464.8 MHz	30	49	-	
465~1700 MHz	25	28	-	
1700~2000 MHz	20	23	-	
Source Impedance (ohm)	-	50	-	
Load Impedance (ohm)	-	50	-	

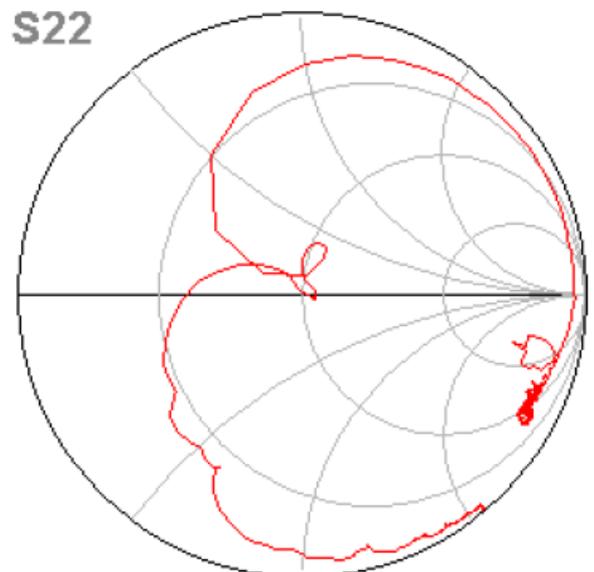
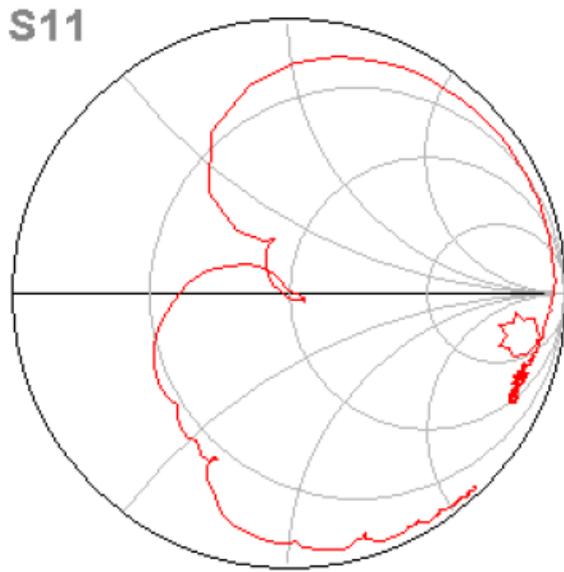
C. Frequency Characteristics :



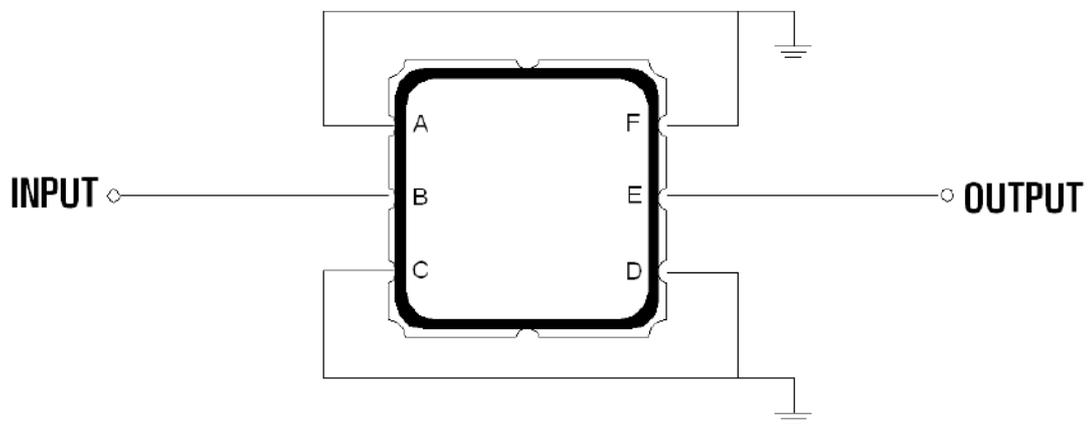
VSWR



Smith-Chart:

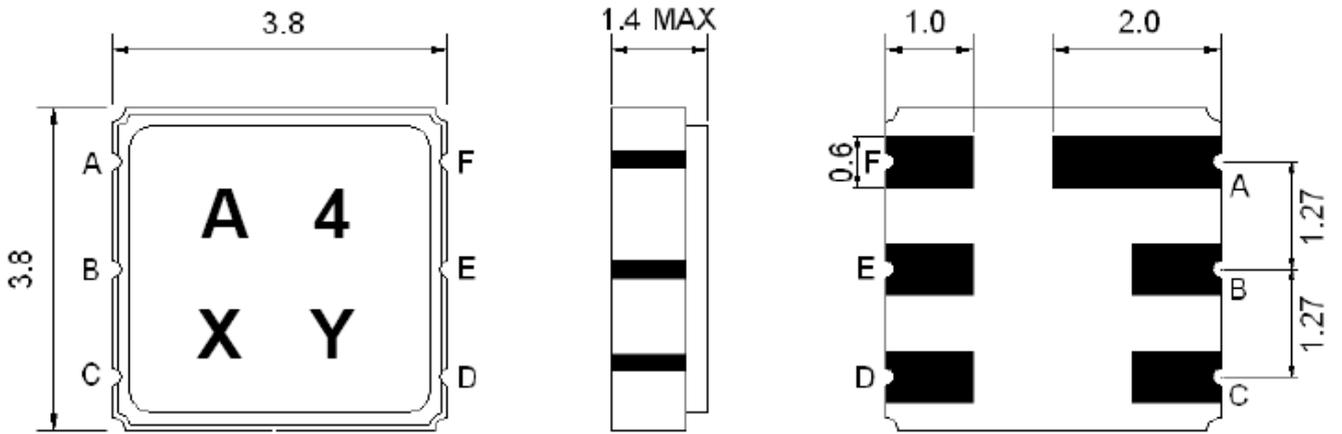


C. MEASUREMENT CIRCUIT:



Source & Load Impedance: 50Ω/50Ω

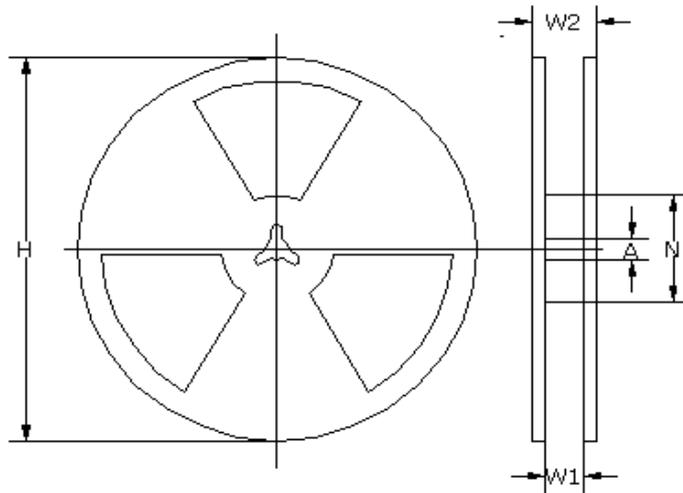
D.OUTLINE DRAWING:



Marking Descriptions	
A	CDMA450 Application
4	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

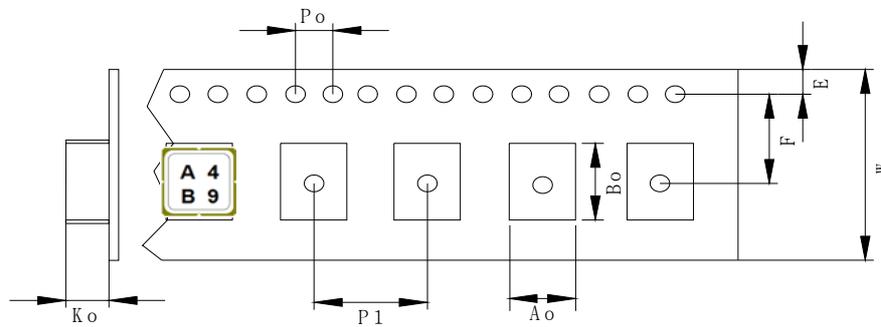
G. PACKING:
1. REEL DIMENSION



(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 ± 1.0	16.0 ± 1.0

2. TAPE DIMENSION



(Unit:mm)

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

H. RECOMMENDED REFLOW PROFILE :

(Temperature measured from Reflow-effected Product Surface)

