



# TAI-SAW TECHNOLOGY CO., LTD.

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

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## Approval Sheet For Product Specification

Issued Date: April, 7, 2006

Product Name: SAW Filter 480 MHz SMD 5.0X5.0 mm

TST Parts No.: TA0555A

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

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

Checked by: \_\_\_\_\_ Bob Chau

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 4, 7, 2006



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## SAW Filter 480MHz

MODEL NO.:TA0555A

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +65°C
4. Storage Temperature: -40°C to +85°C

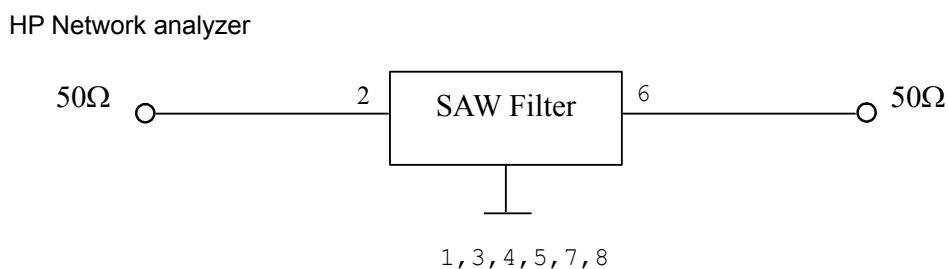
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

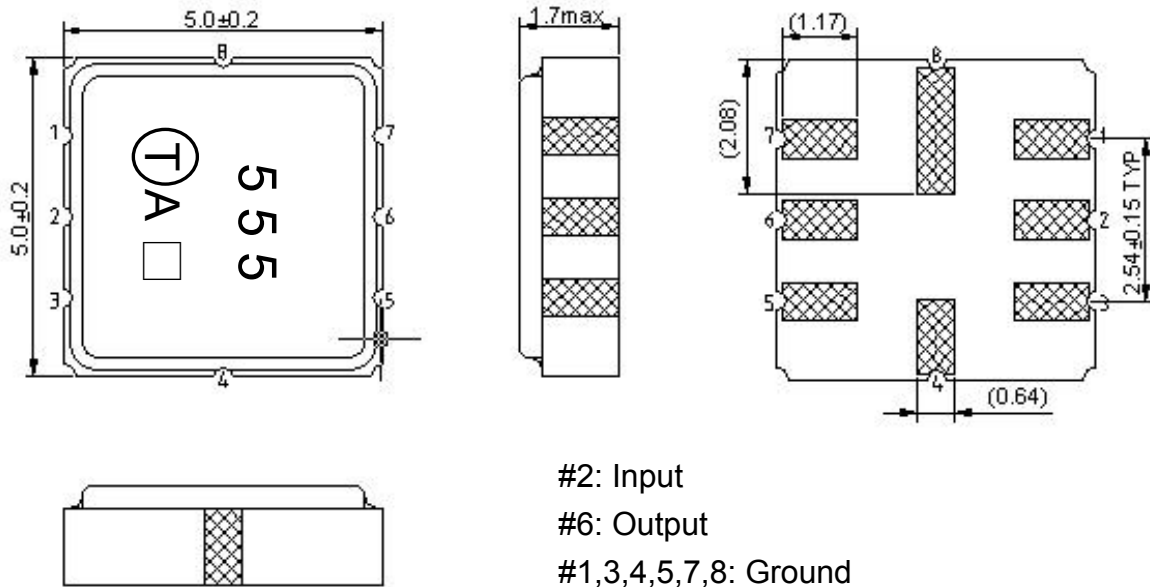
Characteristics				Specification			Note
				Min.	Typ.	Max.	
Center frequency	<b>Fc</b>	MHz	-	480	-	-	
Insertion loss	476~484MHz	<b>I.L.</b>	dB	-	1.9	3.1	-
Ripple	476~484MHz		dB	-	0.4	1.5	-
Group Delay Ripple	476~484MHz		ns	-	30	70	
Attenuation: ( Reference level from 0 dB )							
350 ~ 430 MHz			dB	40	57	-	-
430 ~ 457 MHz			dB	35	53	-	-
505 ~ 515 MHz			dB	30	50	-	-
515 ~ 535 MHz			dB	35	56	-	-
535 ~ 580 MHz			dB	40	57	-	-
Temperature coefficient of frequency			ppm/°C	-	-37	-	
Source Impedance		$Z_s$	$\Omega$		50		1
Load Impedance		$Z_L$	$\Omega$		50		1

Note1. No matching network required for operation at 50  $\Omega$

### C. MEASUREMENT CIRCUIT:



**D.OUTLINE DRAWING:**



#2: Input

#6: Output

#1,3,4,5,7,8: Ground

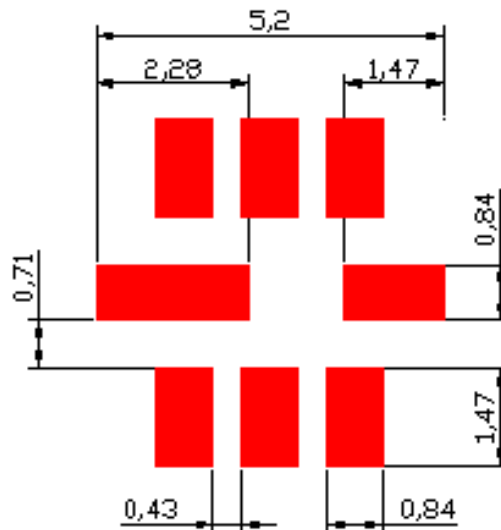
□ : Date Code(Follow the table from planner each year)

Unit: mm

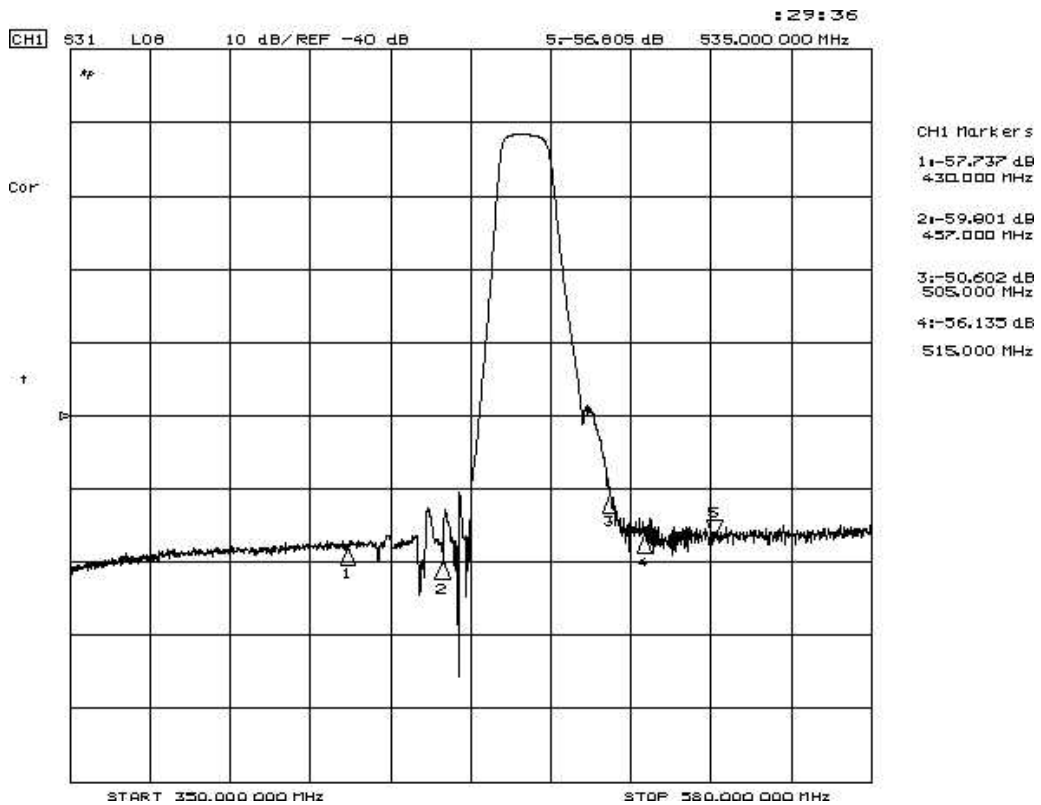
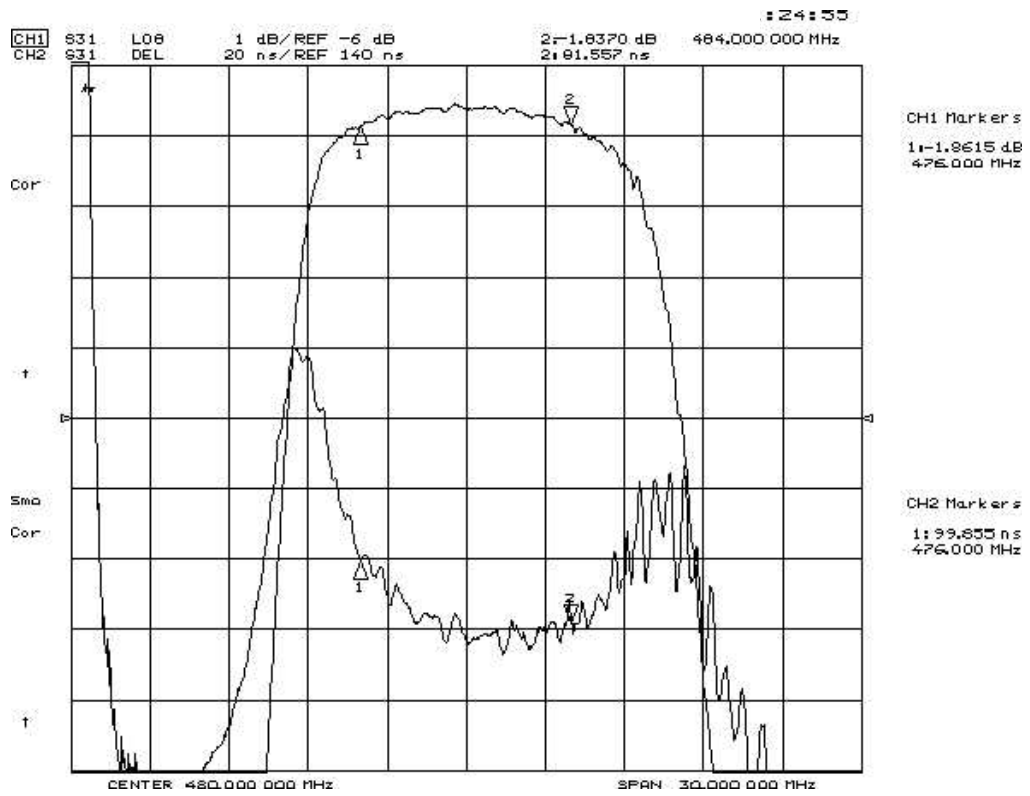
**Product Year Code**

Year	2005	2006	2007	2008
	2009	2010	2011	2012
Product Code	A	a	<u>A</u>	<u>a</u>

**E. PCB Footprint:**

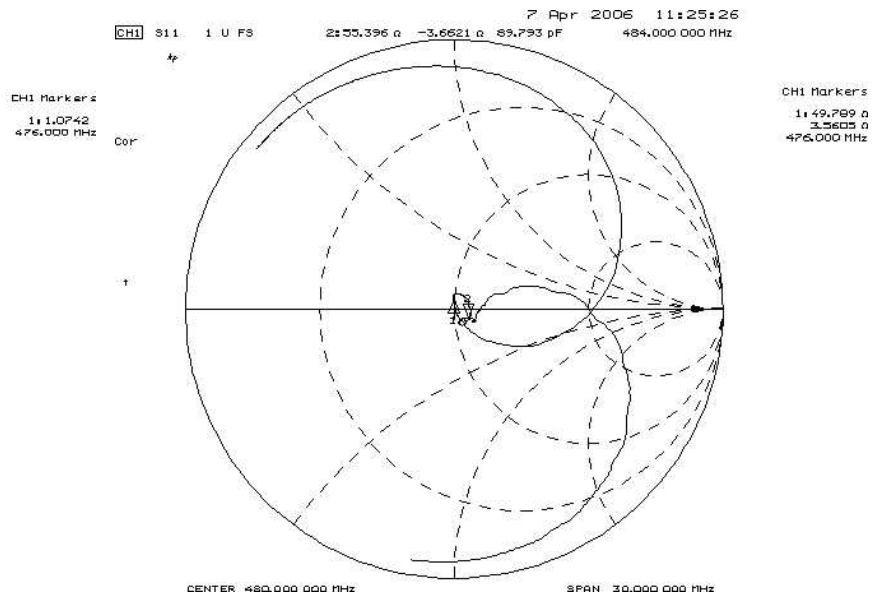
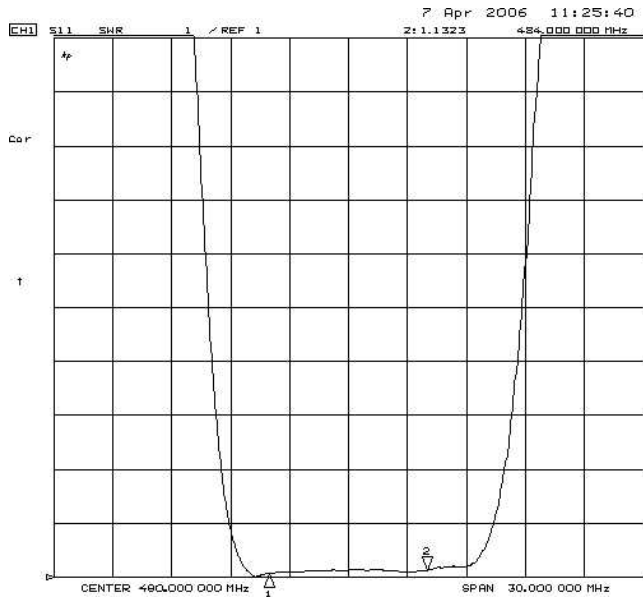


## F. Frequency Characteristics :

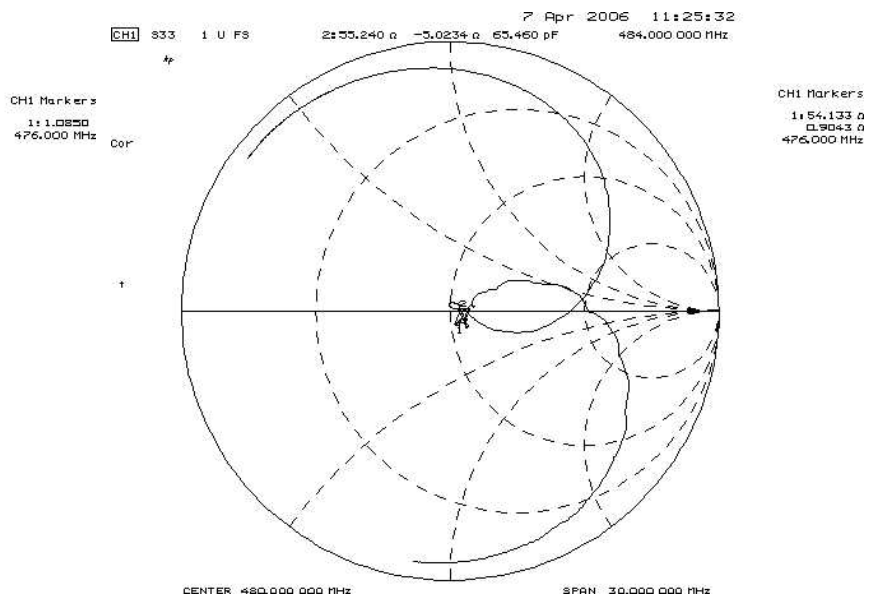
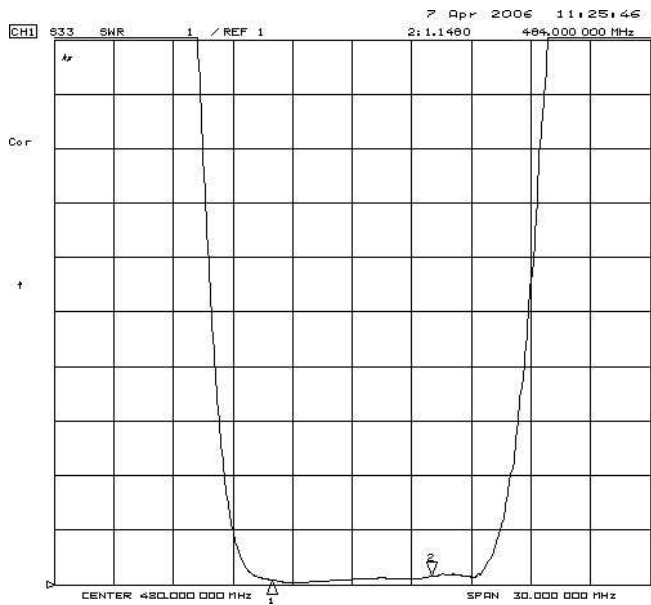


# Reflections Functions :

## S11 VSWR



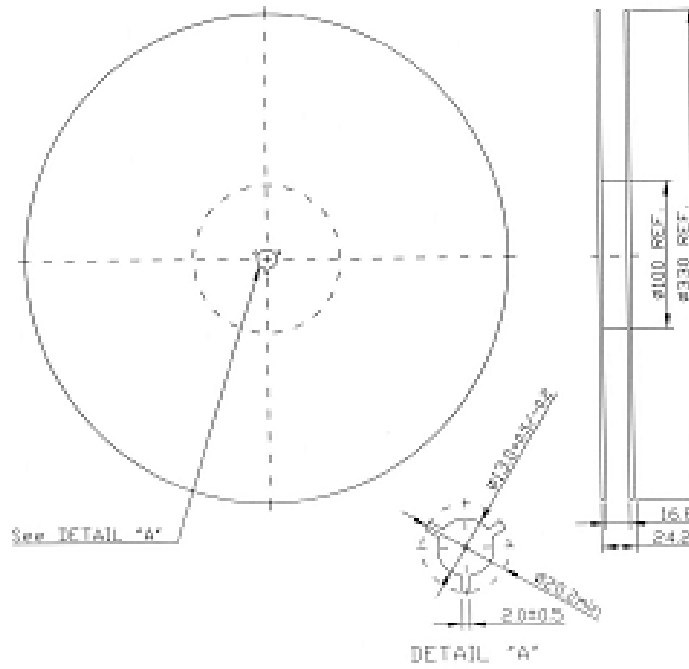
## S22 VSWR



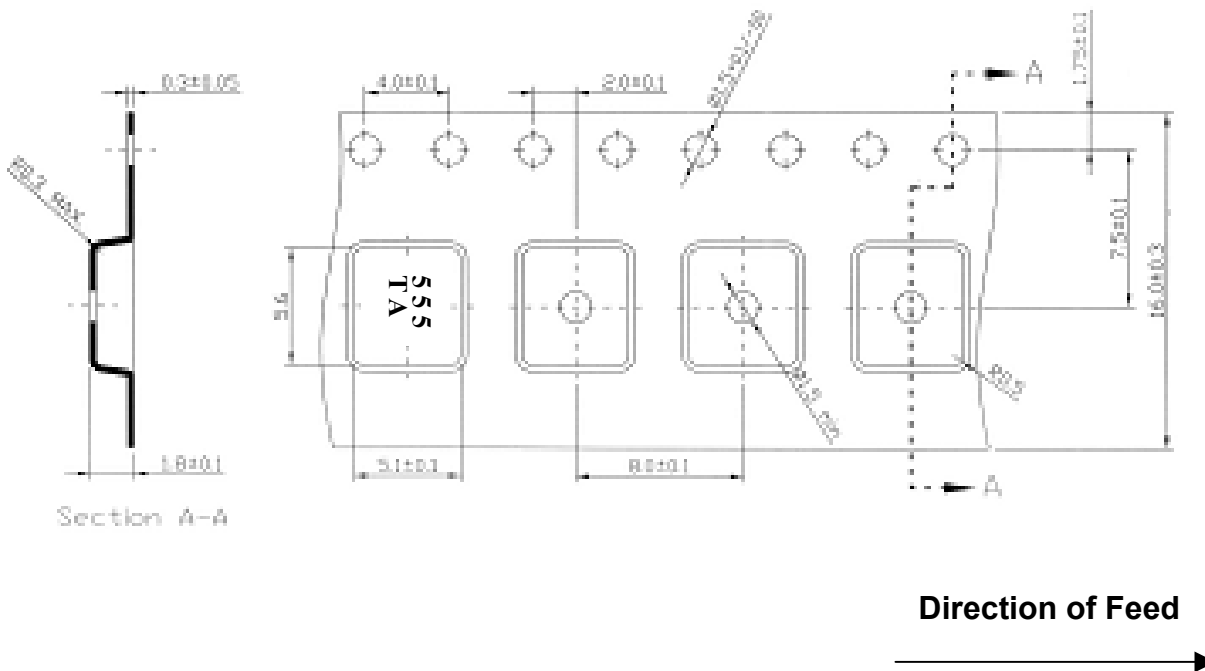
**G. PACKING:**

**1. REEL DIMENSION**

(Reel Count : 7"=1000 ; 13"=3000 )



**2. TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE :

