



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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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

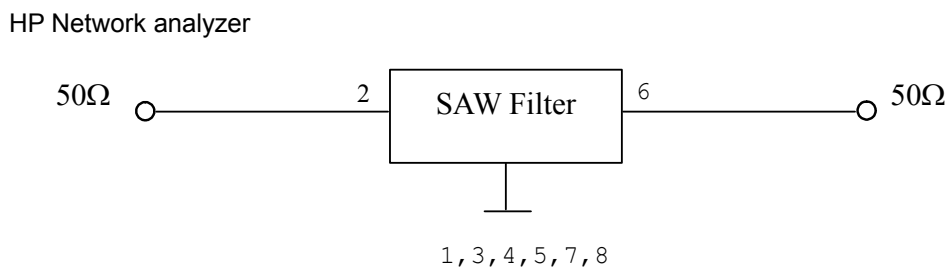
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

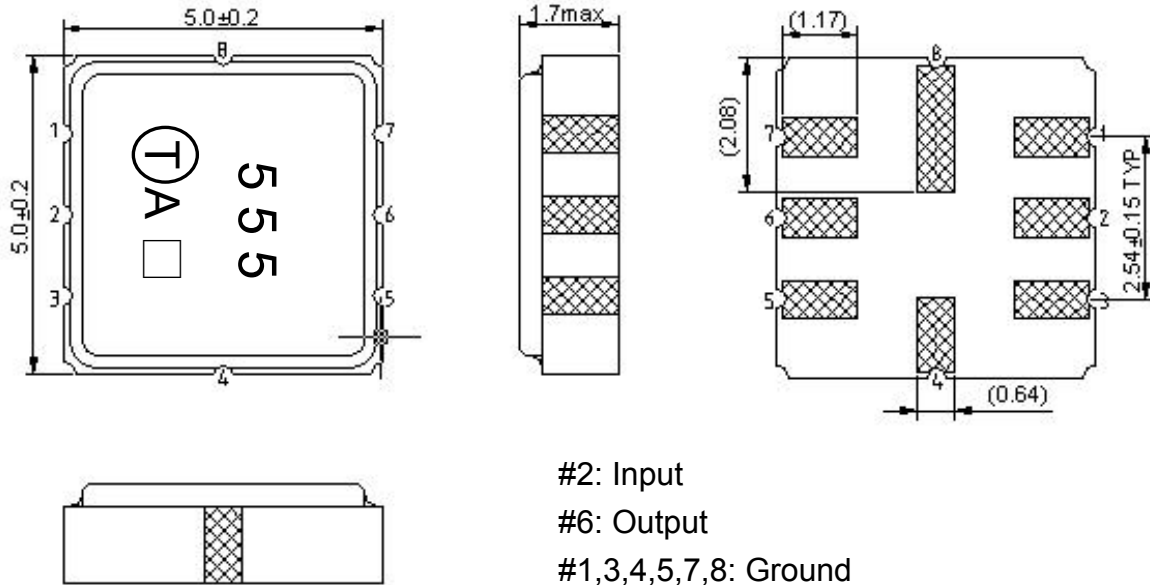
Characteristics				Specification			Note
				Min.	Typ.	Max.	
Center frequency	Fc	MHz	-	480	-	-	
Insertion loss	476~484MHz	I.L.	dB	-	1.9	3.1	-
Ripple	476~484MHz		dB	-	0.4	1.5	-
Group Delay Ripple	476~484MHz		ns	-	30	70	
Attenuation: (Reference level from 0 dB)							
350 ~ 430 MHz			dB	40	57	-	-
430 ~ 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	Ω		50		1
Load Impedance		Z_L	Ω		50		1

Note1. No matching network required for operation at 50 Ω

C. MEASUREMENT CIRCUIT:



D.OUTLINE DRAWING:

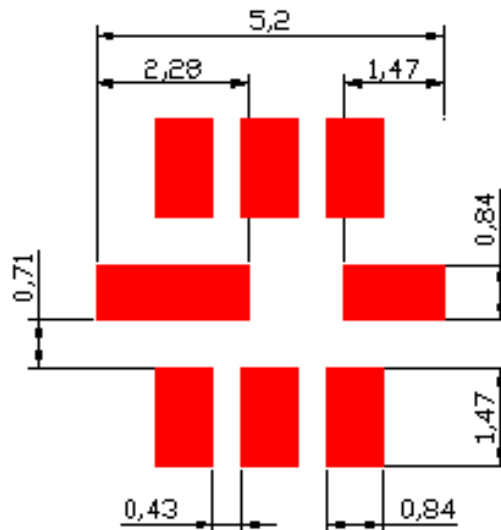


- #2: Input
- #6: Output
- #1,3,4,5,7,8: Ground
- : Date Code(Follow the table from planner each year)
- Unit: mm

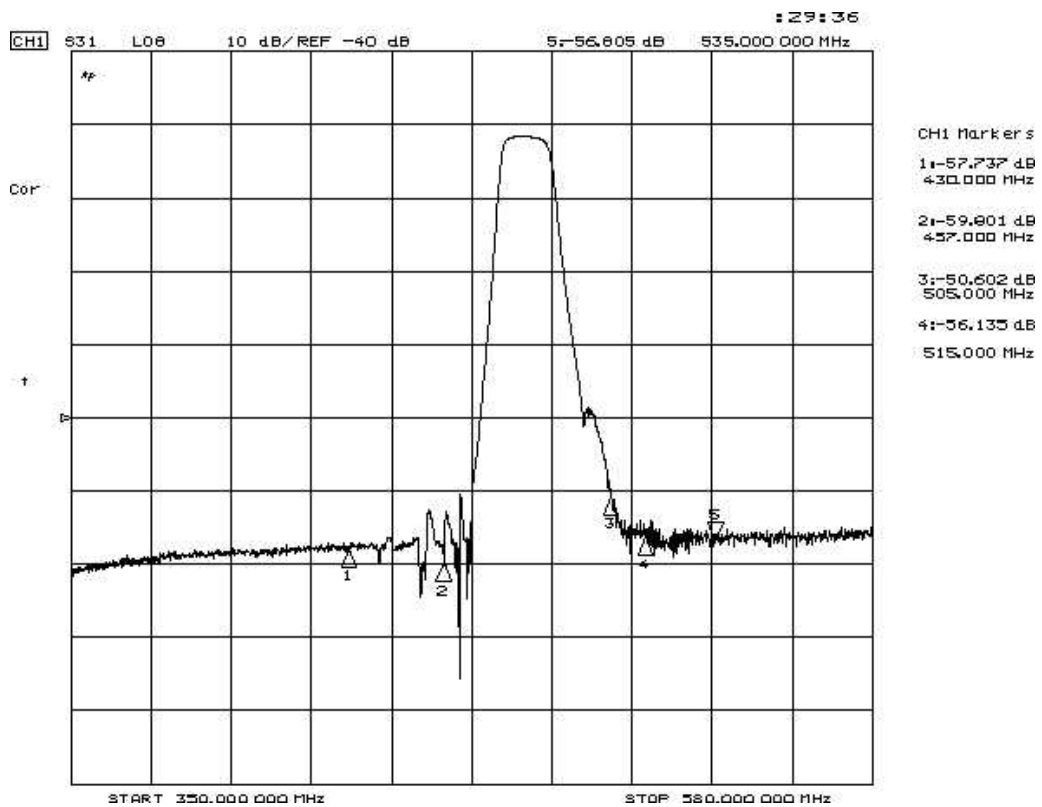
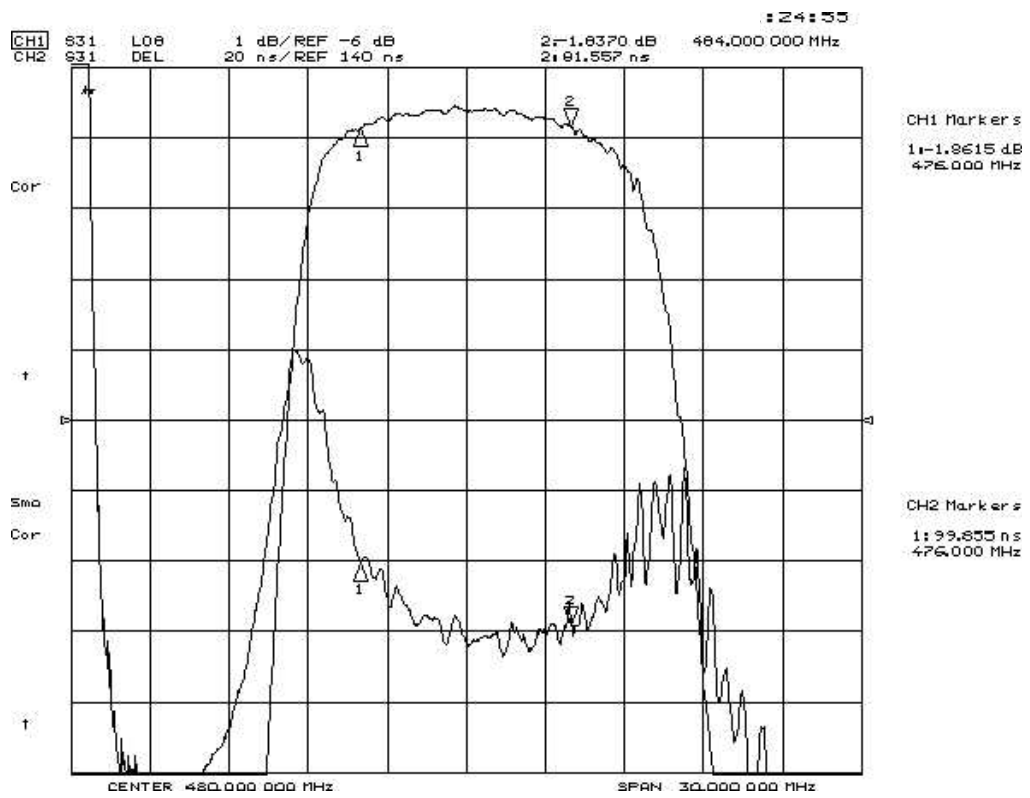
Product Year Code

Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	A	a	Ⓐ	ⓐ

E. PCB Footprint:

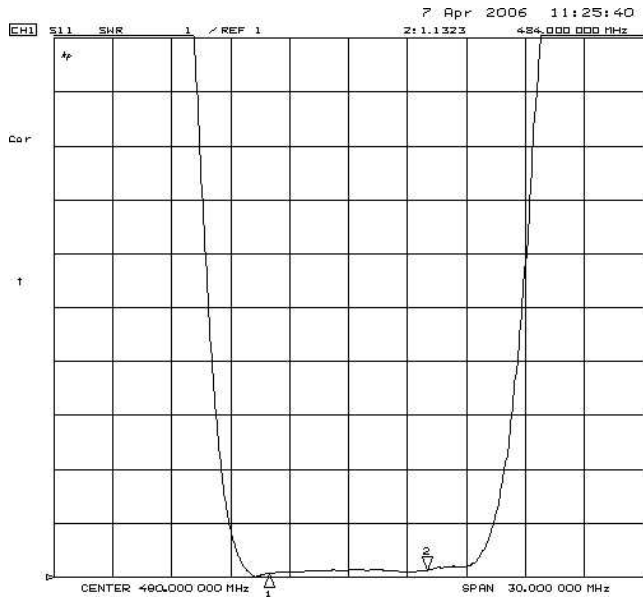


F. Frequency Characteristics :

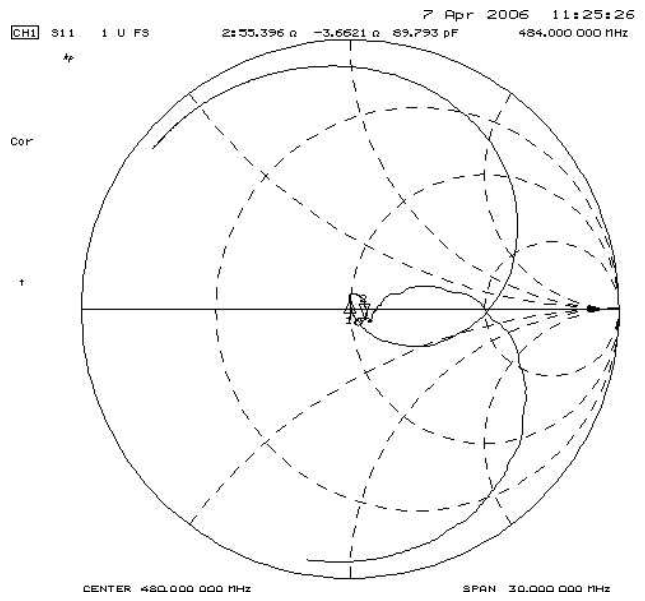


Reflections Functions :

S11 VSWR

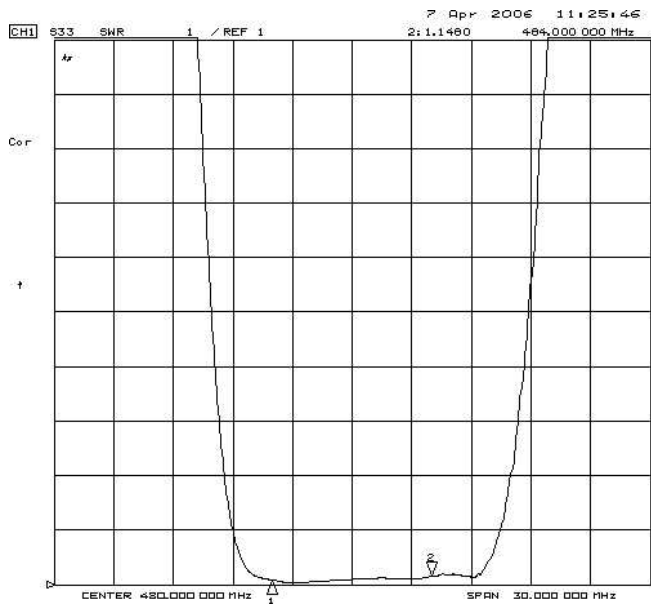


CHI Markers
 1: 1.0742
 476,000 MHz

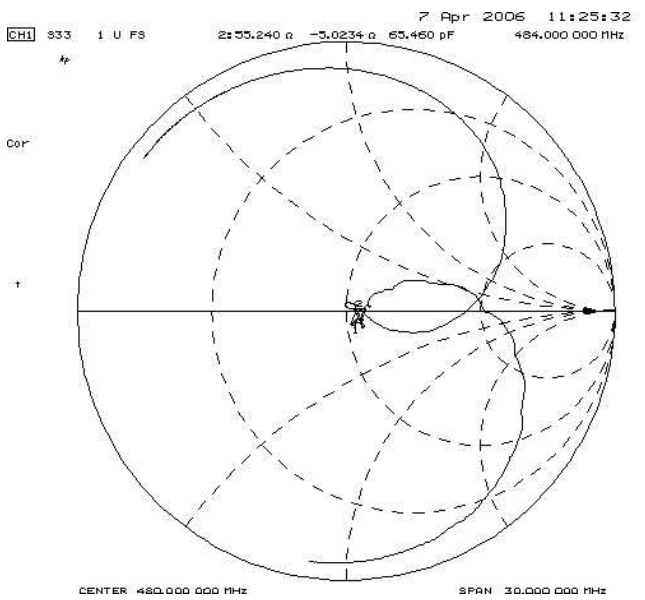


CHI Markers
 1: 49.789 Ω
 3.5605 pF
 476,000 MHz

S22 VSWR



CHI Markers
 1: 1.0850
 476,000 MHz

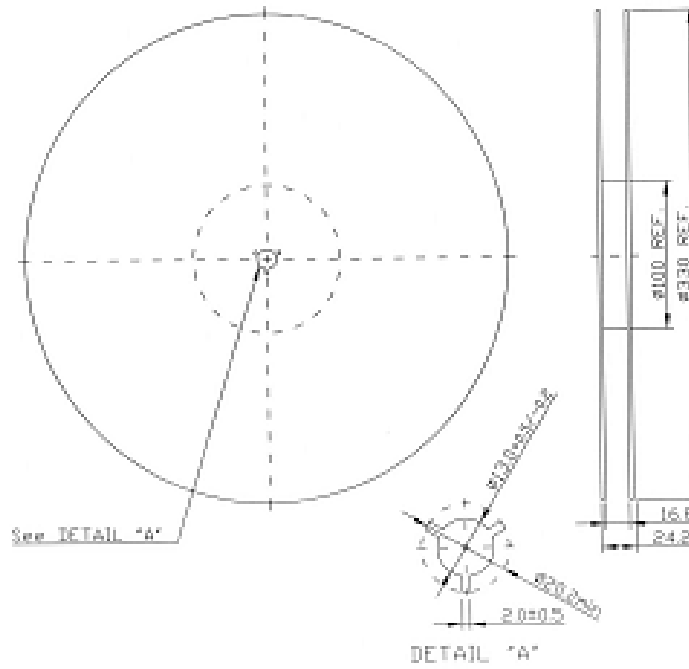


CHI Markers
 1: 54.133 Ω
 0.9043 pF
 476,000 MHz

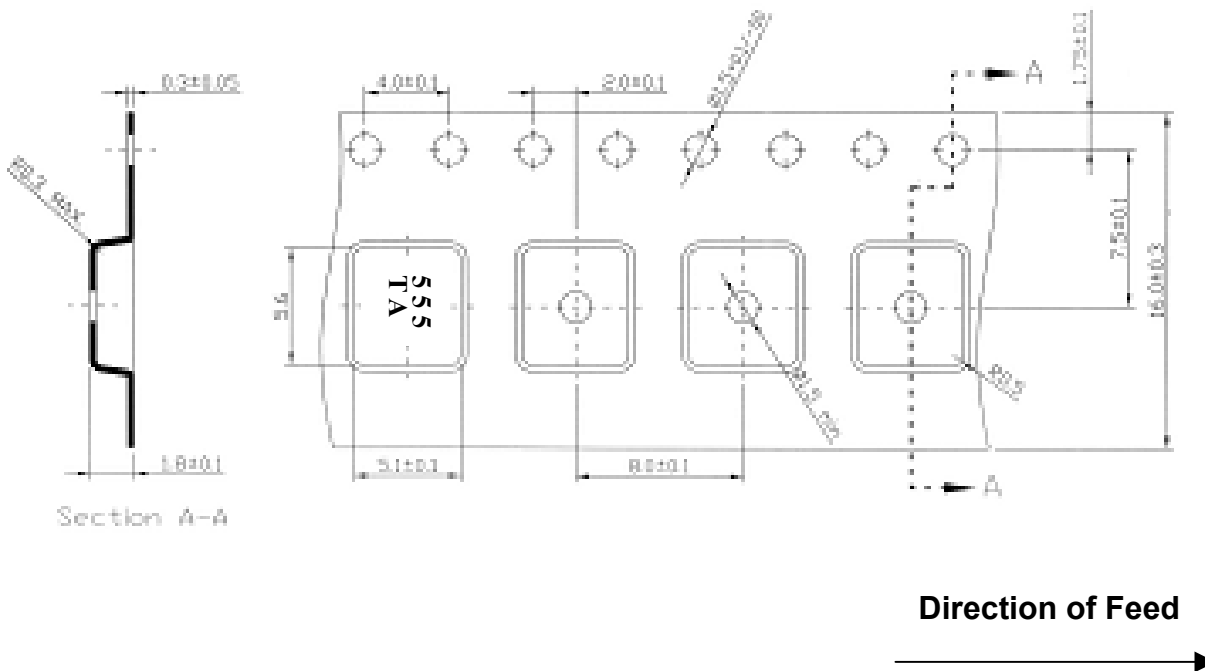
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

