



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date: May, 3, 2007

Product Name: SAW Filter 867.5MHz SMD 2.5X2.0 mm

TST Parts No.: TA0680A

Customer Parts No.: _____

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

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 5,3,2007



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SAW Filter 867.5 MHz

MODEL NO.: TA0680A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

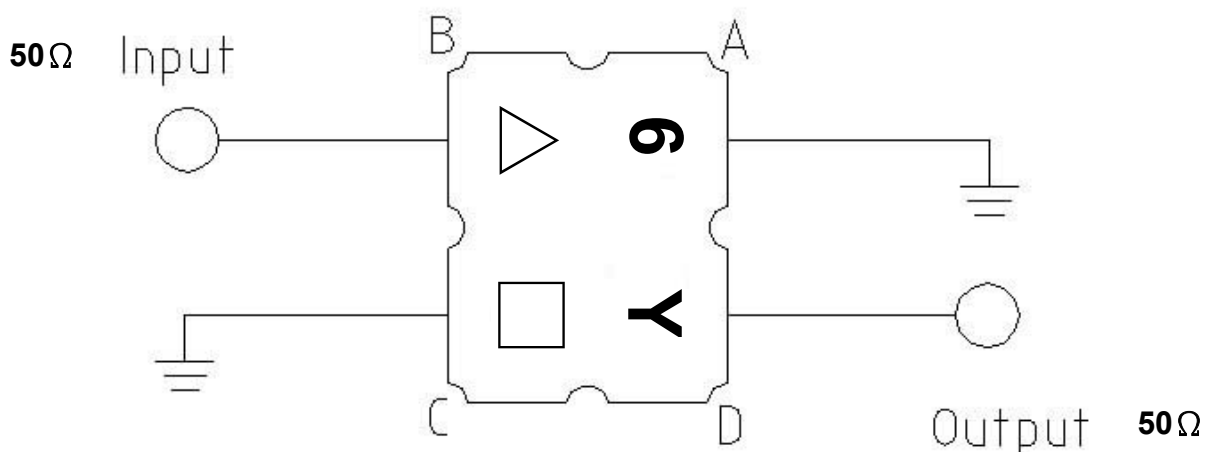
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

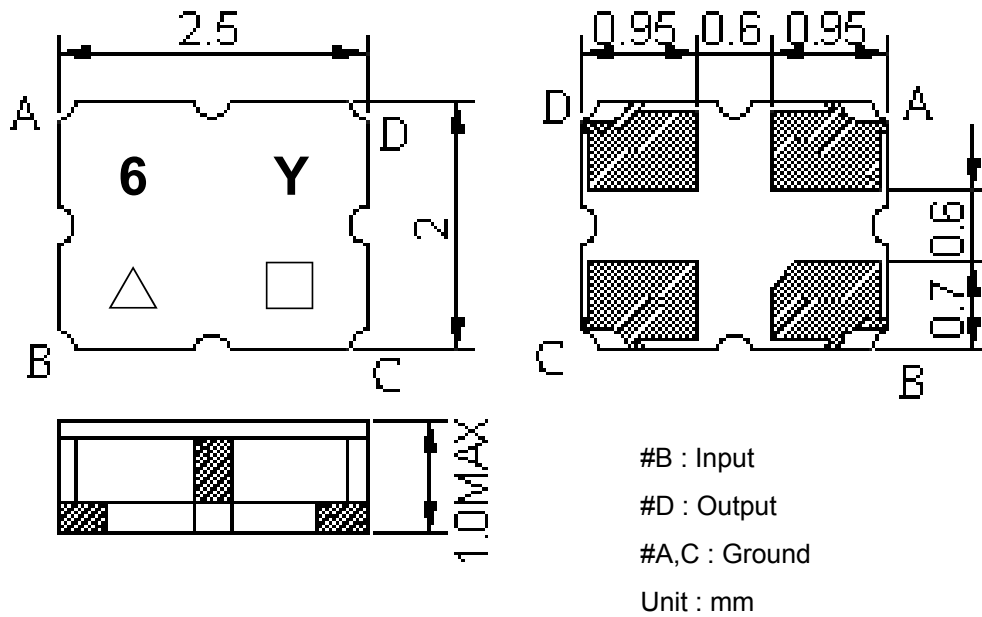
Item		Min.	Typ.	Max.
Center frequency	F_c (dB)	-	867.5	-
Insertion loss within 860 ~875 MHz	IL (dB)	-	2.3	3.5
Amplitude ripple (p-p) within 860 ~ 875 MHz	(dB)	-	0.6	1.5
Attenuation (Reference level from 0 dB)				
100 ~ 815 MHz	(dB)	40	48	-
815 ~ 830 MHz	(dB)	38	45	-
898 ~ 901 MHz	(dB)	15	24	-
915 ~ 925 MHz	(dB)	30	42	-
925 ~ 2330 MHz	(dB)	28	38	-
2330 ~ 3000 MHz	(dB)	20	31	-
VSWR within 860 ~875 MHz		-	1.5	2
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

C. MEASUREMENT CIRCUIT:



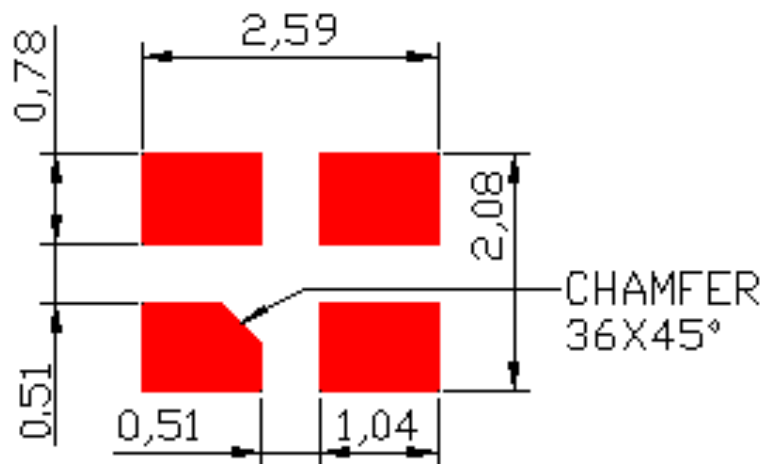
D.OUTLINE DRAWING:



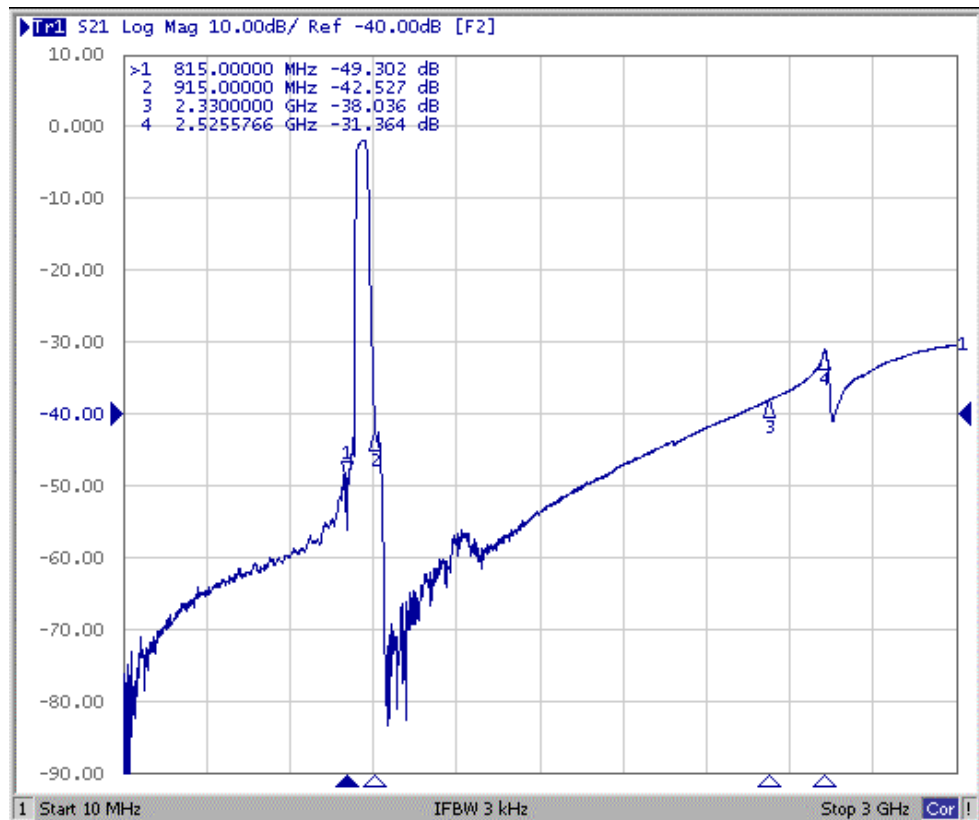
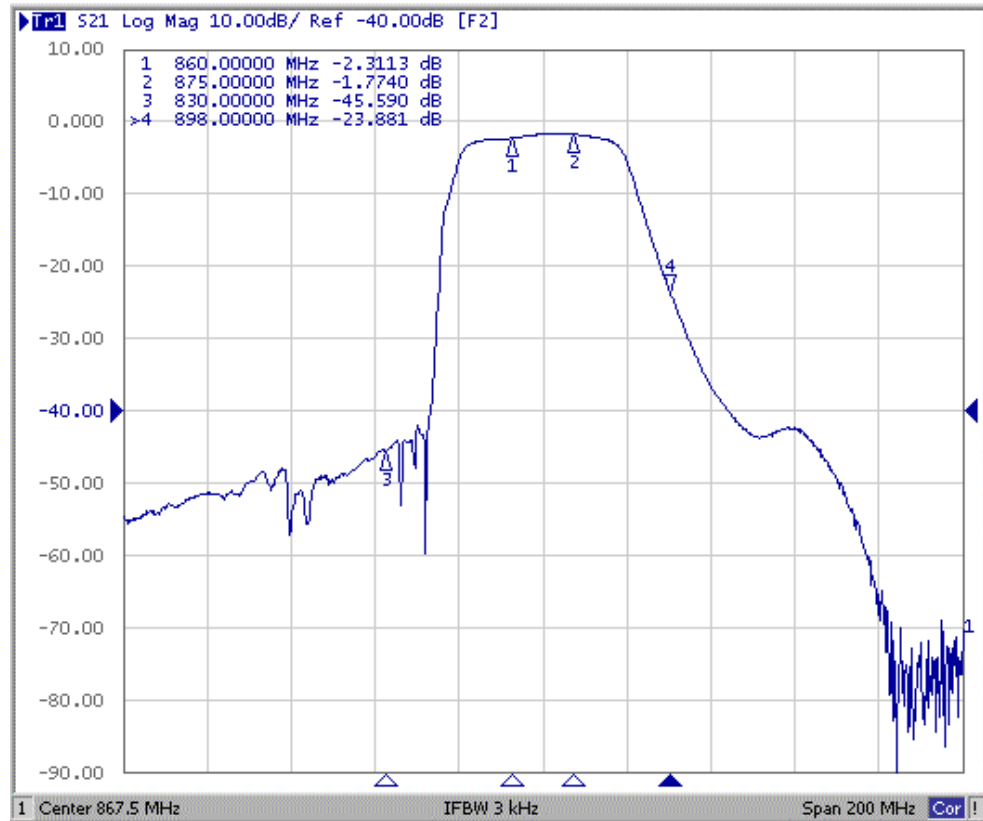
△ : Year Code (2006->6, ..., 2009->9)

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

E. PCB Footprint:

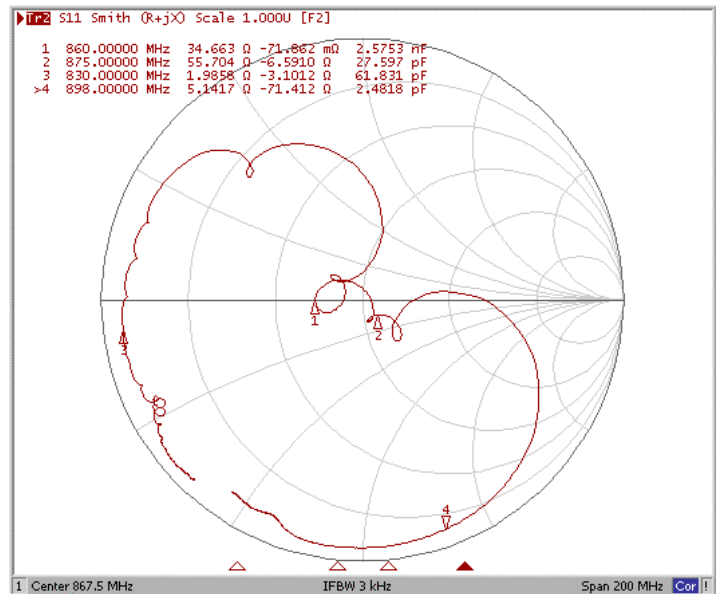
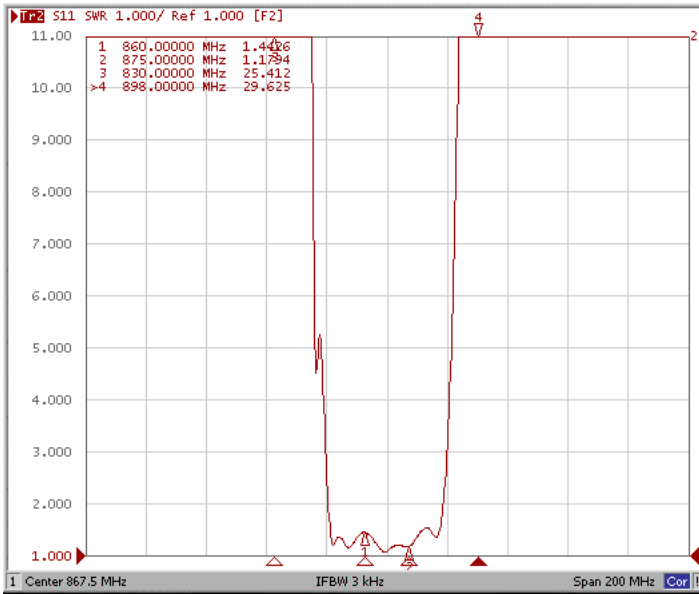


F. Frequency Characteristics : Transfer function

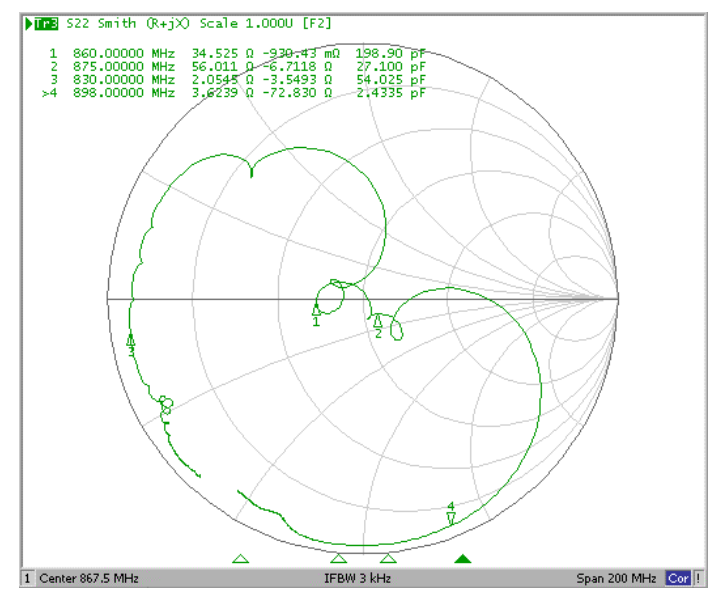
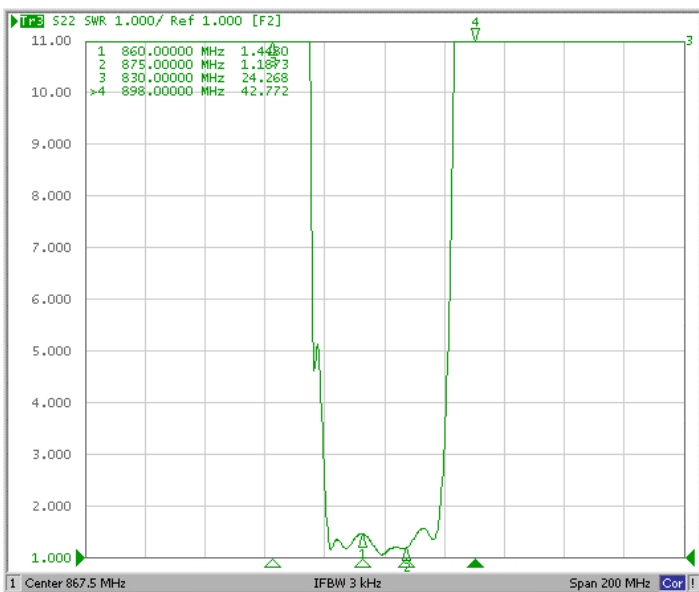


Reflections Functions :

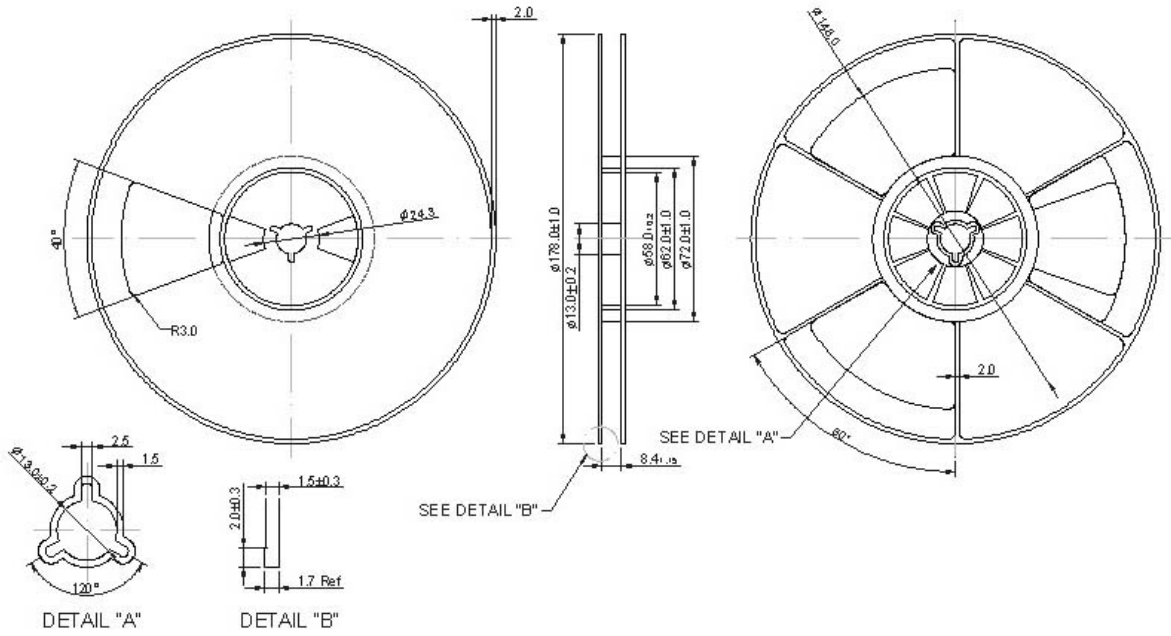
S11 VSWR



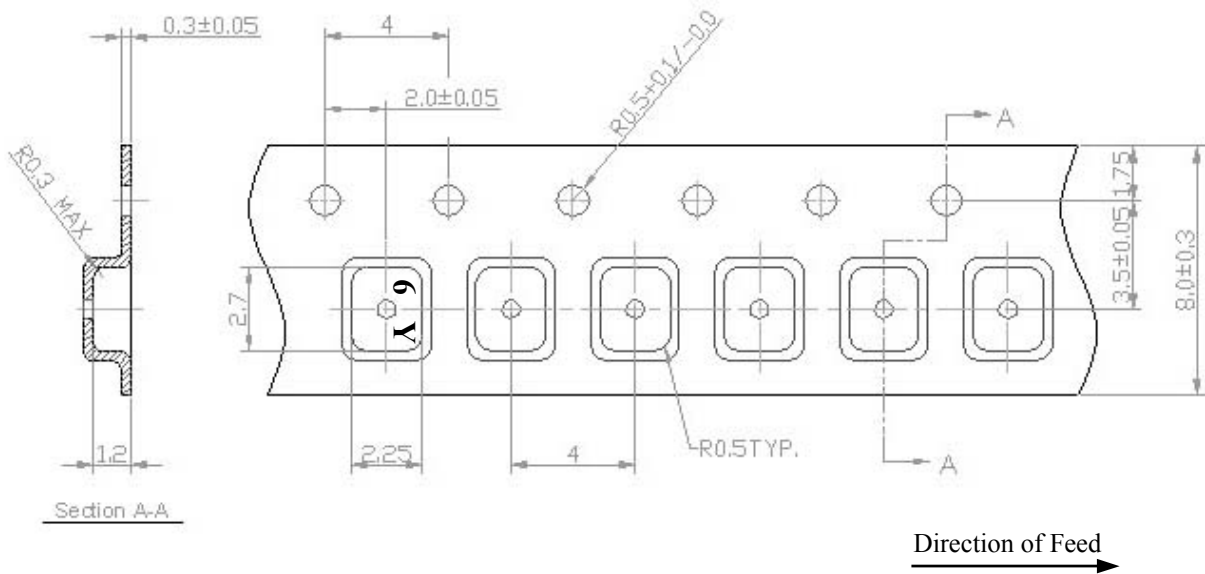
S22 VSWR



G. PACKING:
1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

