



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: Sep, 28, 2006

Product Name: SAW Filter 908.42MHz SMD 2.5X2.0 mm

TST Parts No.: TA0602A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 9,28,2006



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SAW Filter 908.42 MHz

MODEL NO.: TA0602A

REV. NO.:1

A. MAXIMUM RATING:

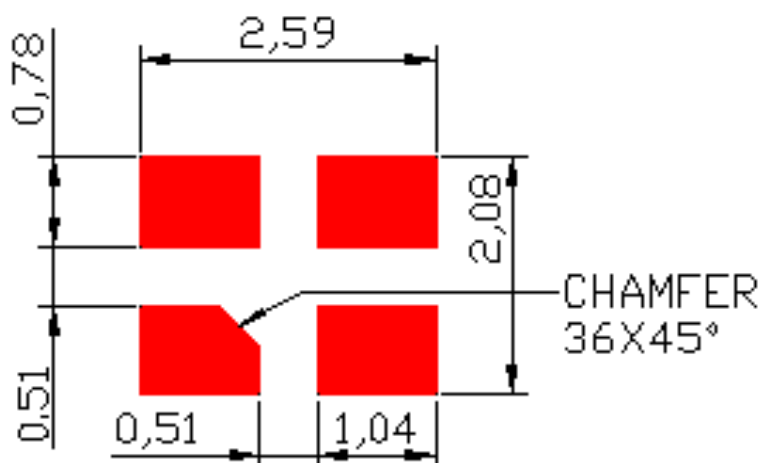
1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

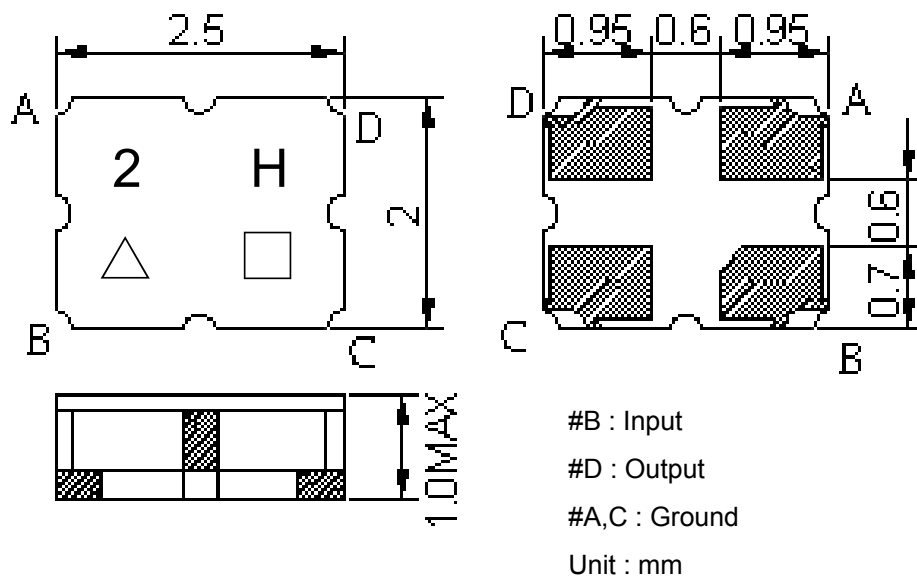
B. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typ.	Max.
Center frequency	Fc	(MHz)	-	908.42	-
Insertion loss (898.92~917.92 MHz)	IL	(dB)	-	2.2	4
Amplitude ripple (898.92~917.92 MHz)		(dB)	-	0.5	2
Attenuation (Reference level from 0 dB)					
D.C. ~ 827.9	MHz	(dB)	35	55	-
853.92 ~ 872.92	MHz	(dB)	20	45	-
943.92 ~ 962.92	MHz	(dB)	20	29	-
988.92 ~ 1200	MHz	(dB)	35	57	-
1200 ~ 2000	MHz	(dB)	20	50	-
VSWR (898.92~917.92 MHz)			-	1.6	2.5
Source impedance	Zs	(Ω)	-	50	-
Load impedance	ZL	(Ω)	-	50	-

C. PCB Footprint:



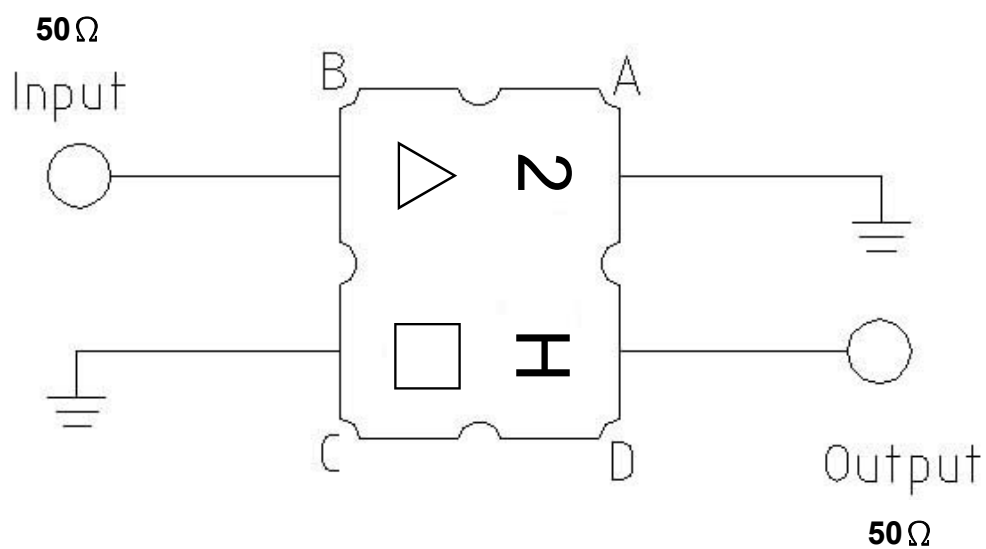
D.OUTLINE DRAWING:



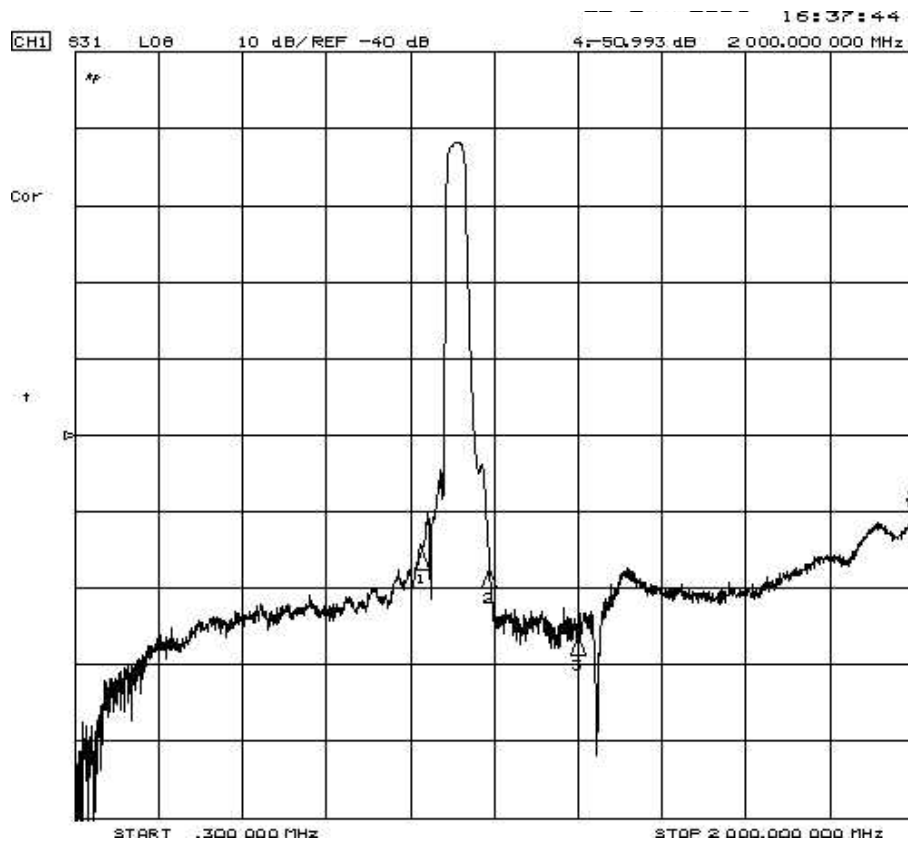
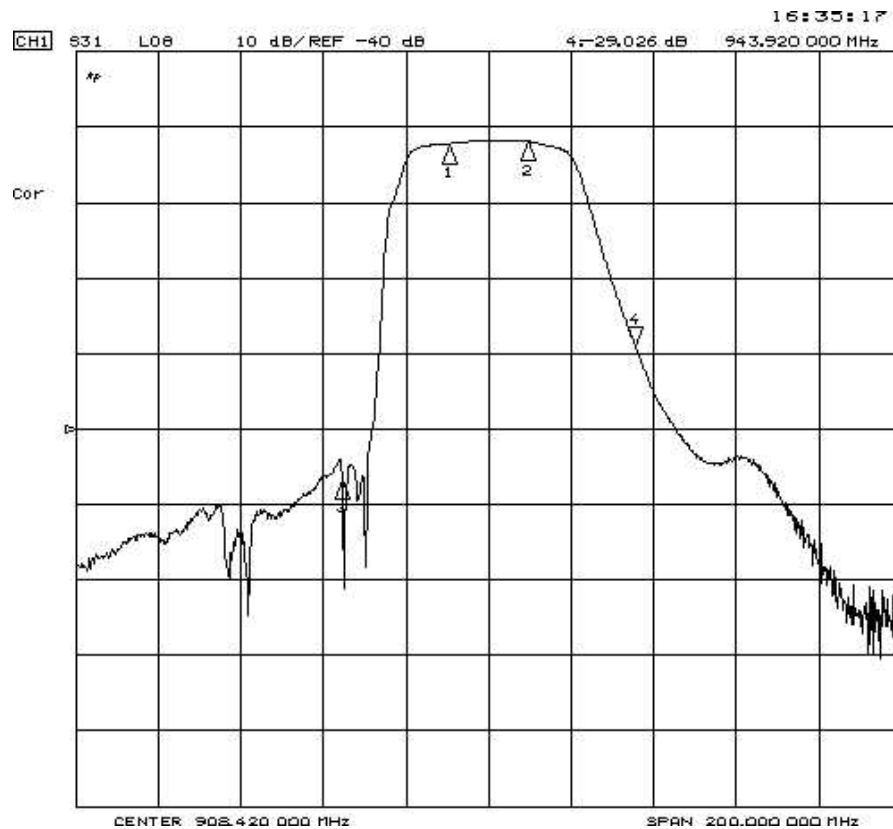
△ : Year Code (2006->6, ..., 2009->9)

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

E. MEASUREMENT CIRCUIT:

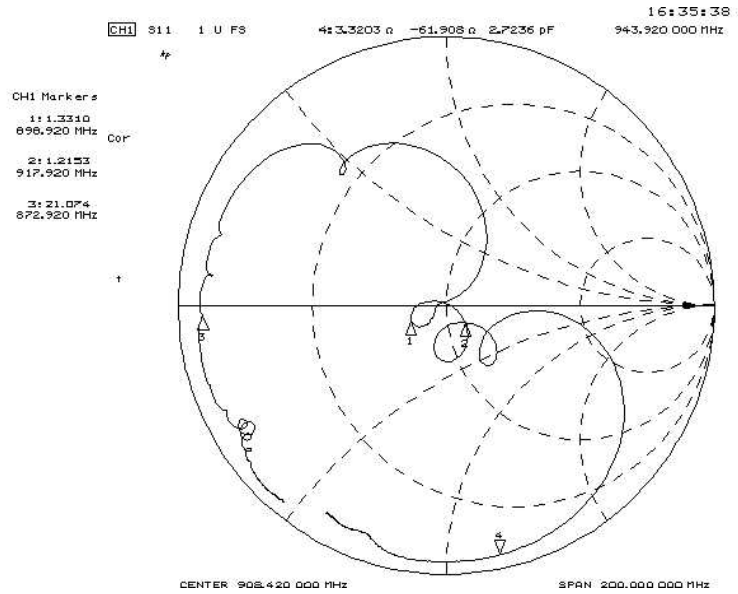
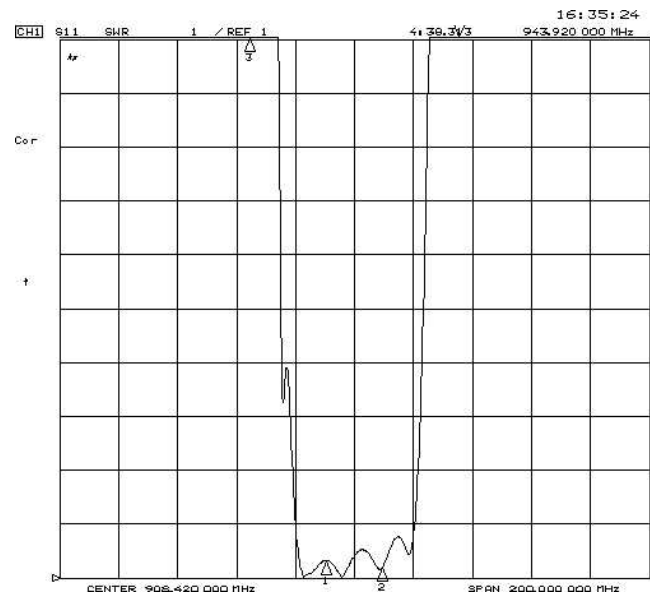


F. Frequency Characteristics : Transfer function



Reflections Functions :

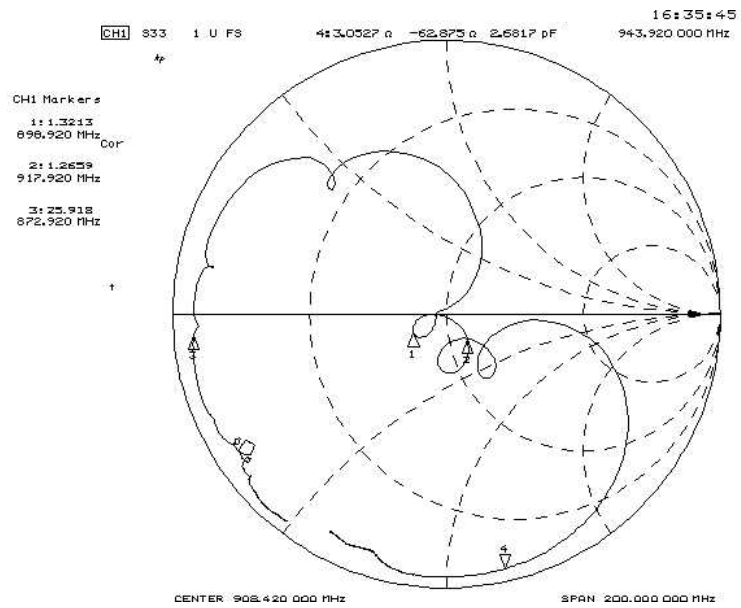
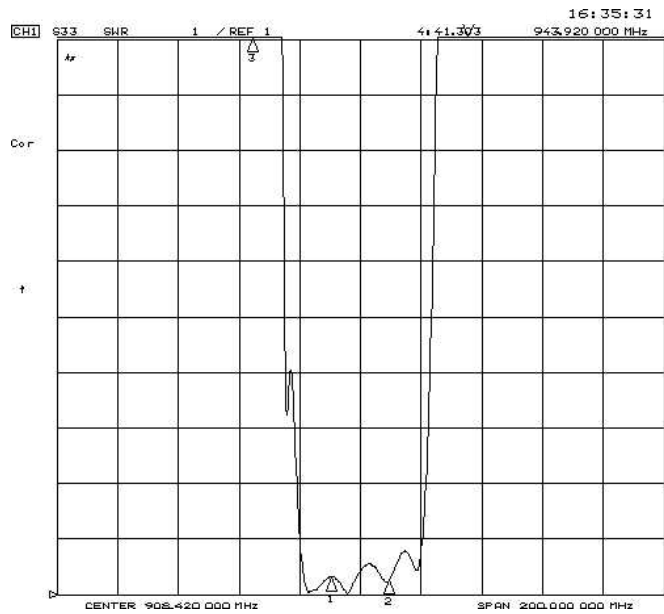
S11 VSWR



CH1 Markers

Marker	Frequency (MHz)	Value
1	898.920	1: 39.234 a -4.4121 a 898.920 MHz
2	917.920	2: 57.301 a -7.4277 a 917.920 MHz
3	972.920	3: 2.3999 a -1.1165 a 972.920 MHz

S22 VSWR



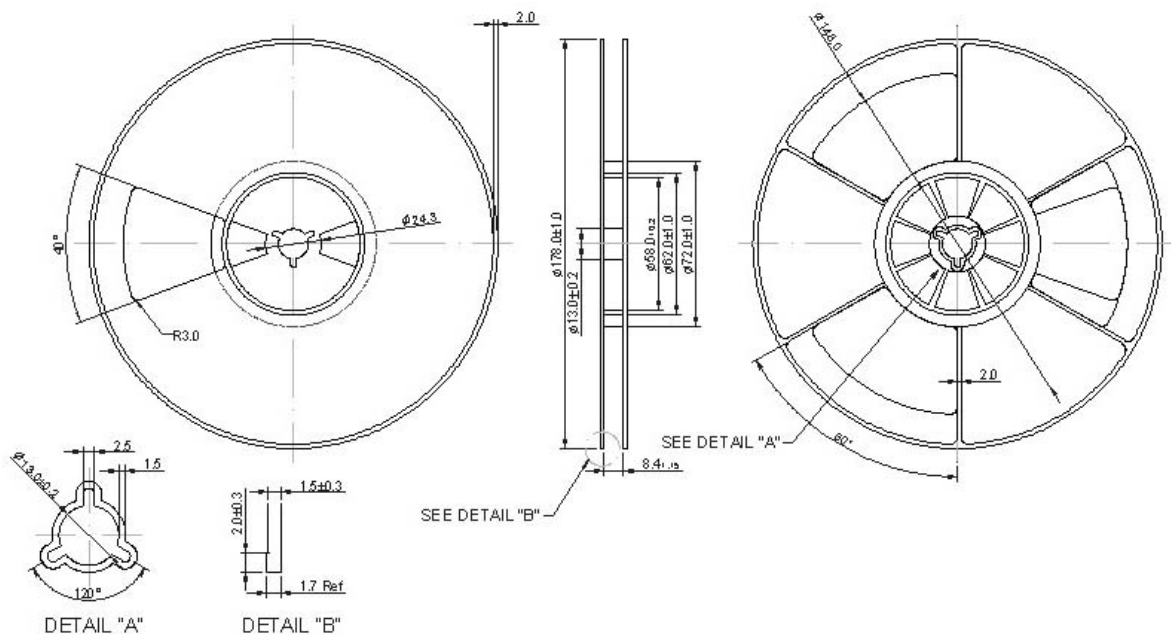
CH1 Markers

Marker	Frequency (MHz)	Value
1	898.920	1: 39.963 a -5.4922 a 898.920 MHz
2	917.920	2: 57.086 a -10.473 a 917.920 MHz
3	972.920	3: 1.9255 a -2.0453 a 972.920 MHz

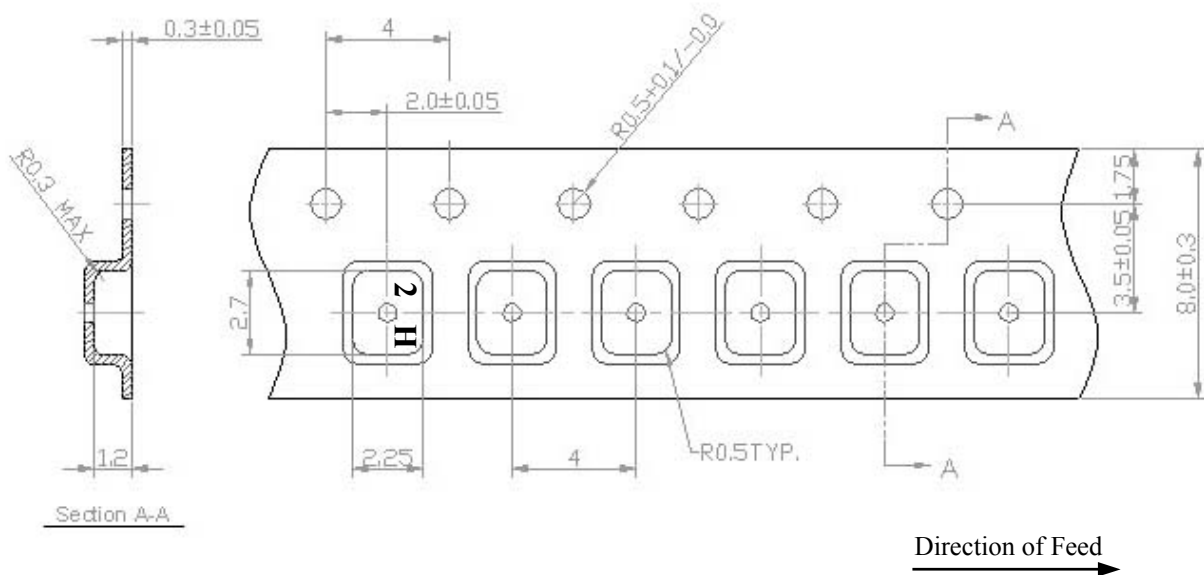
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=2000 typ. ; 13"=10000 typ.)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

