



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

E-mail: ttsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet For Product Specification

Issued Date: Sep, 19, 2006

Product Name: SAW Filter 1575.42MHz SMD 2.5X2.0 mm

TST Parts No.: TA0603A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 9,19,2006



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

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

SAW Filter 1575.42 MHz

MODEL NO.: TA0603A

REV. NO.:1

A. MAXIMUM RATING:

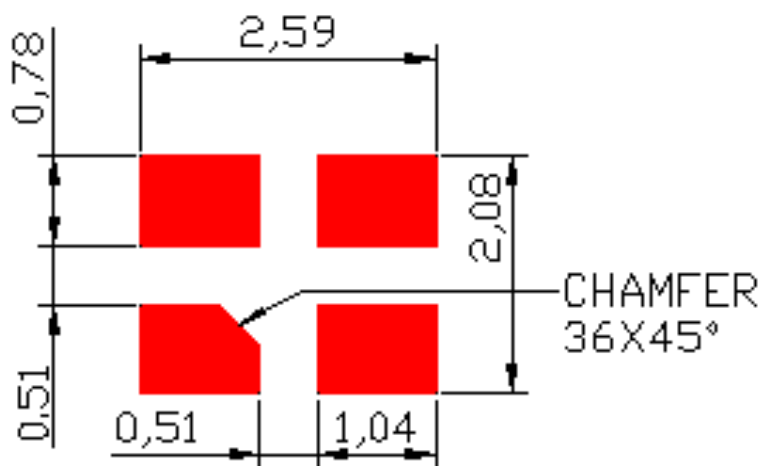
1. Input Power Level: 10 dB_m
2. DC voltage: 7.5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

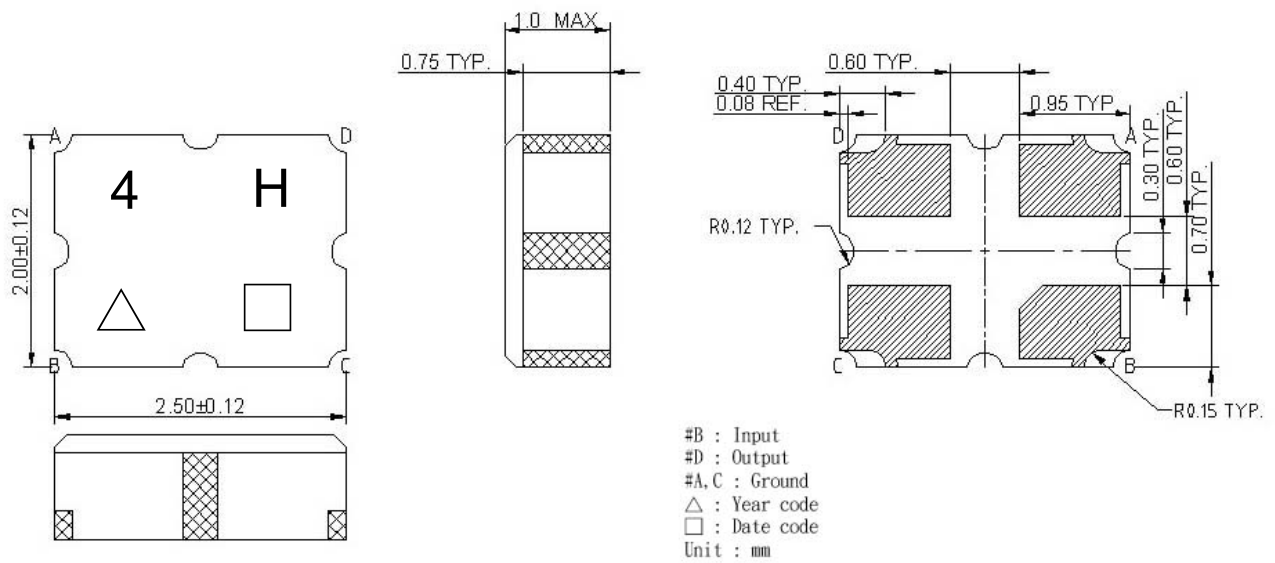
B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
Center frequency	Fc (MHz)	-	1575.42	-
Insertion loss (1574.42~1576.42 MHz)	IL (dB)	-	1.2	1.6
Amplitude ripple (1574.42~1576.42 MHz)	(dB)	-	0.1	0.8
Attenuation (Reference level from 0 dB)				
D.C. ~ 1000 MHz	(dB)	20	24	-
1500 MHz	(dB)	35	49	-
1625 ~ 1635 MHz	(dB)	30	41	-
1800 ~ 3000 MHz	(dB)	25	31	-
VSWR (1574.42~1576.42 MHz)		-	1.2	1.8
Source impedance	Zs (Ω)	-	50	-
Load impedance	ZL (Ω)	-	50	-

C. PCB Footprint:



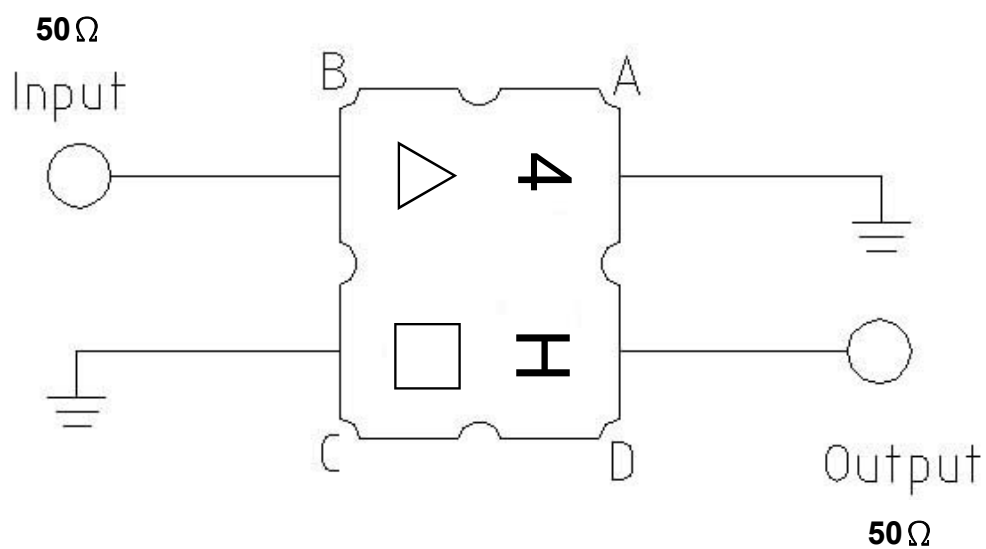
D.OUTLINE DRAWING:



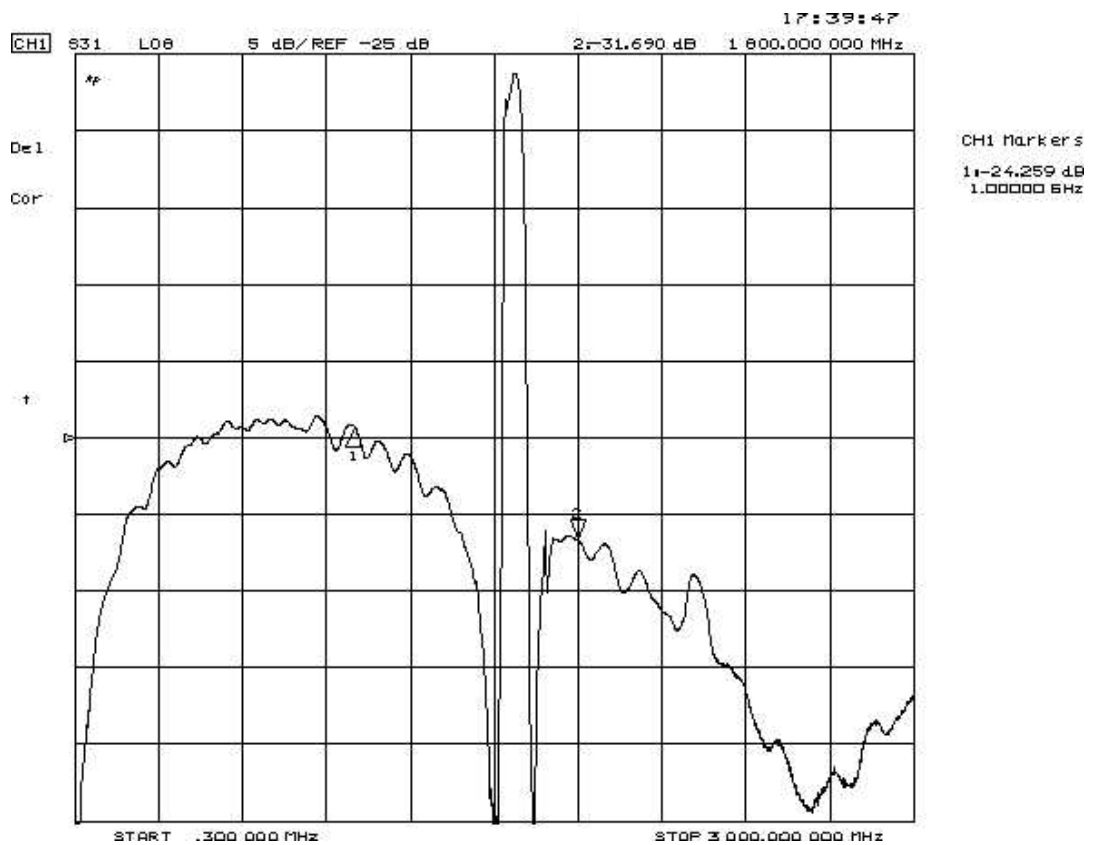
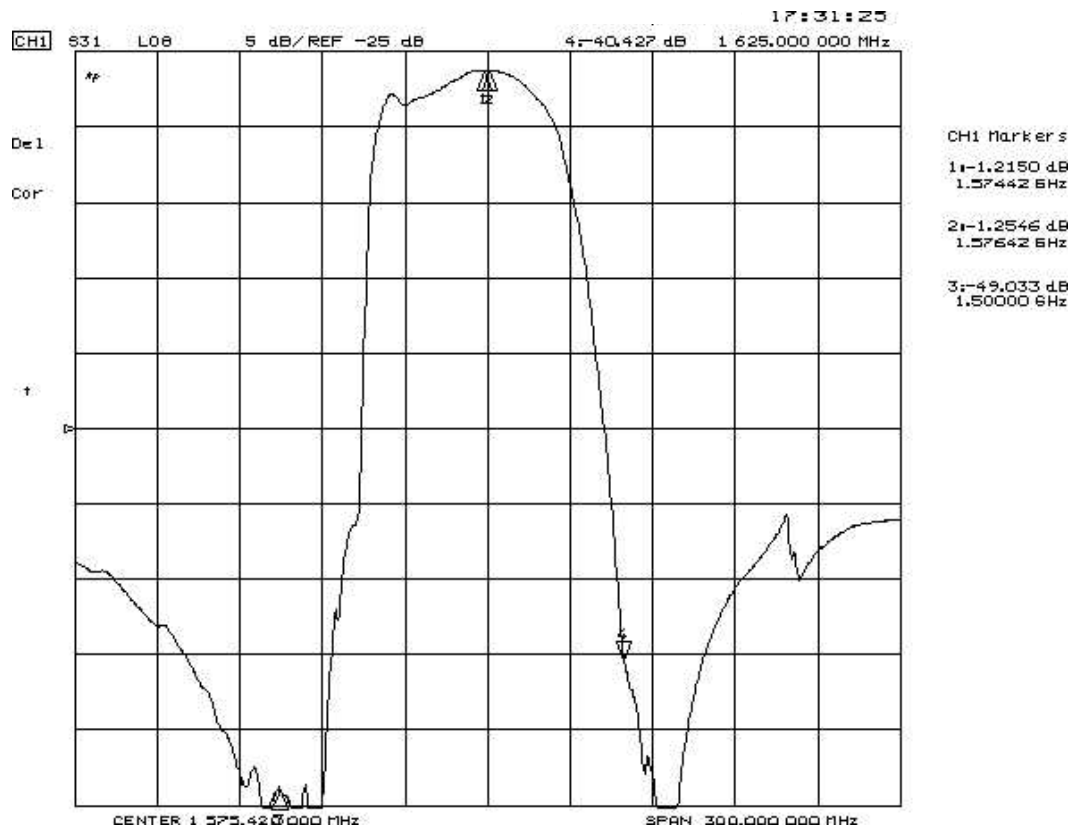
$\triangle$: Year Code (2006->6, ..., 2009->9)

$\square$: Date Code (Follow the table from planner each year)

E. MEASUREMENT CIRCUIT:

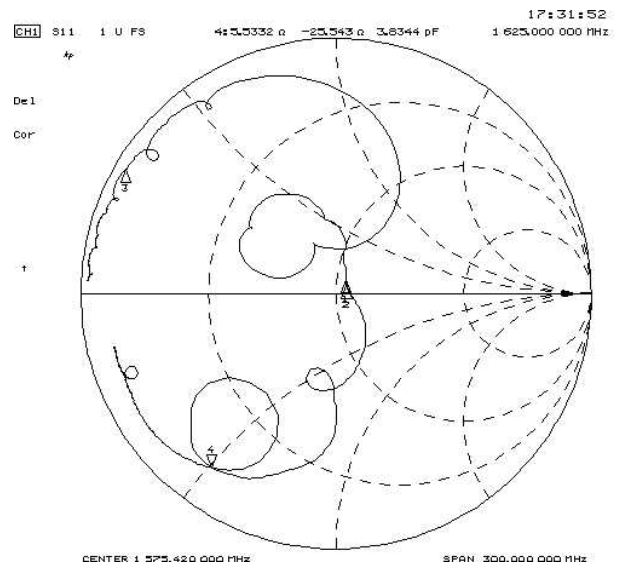
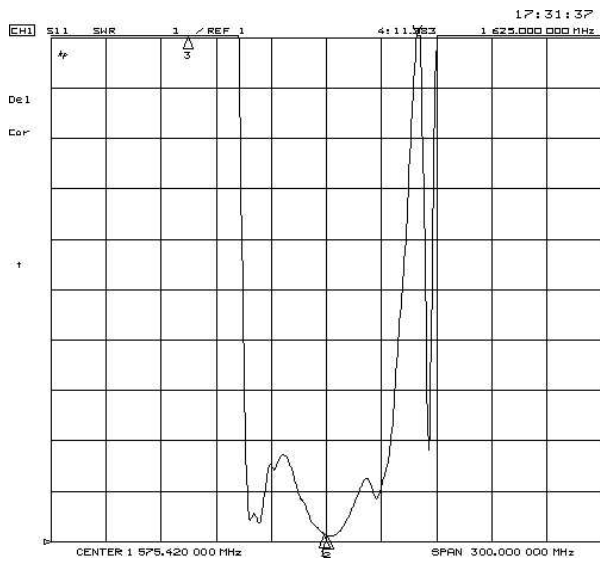


F. Frequency Characteristics : Transfer function

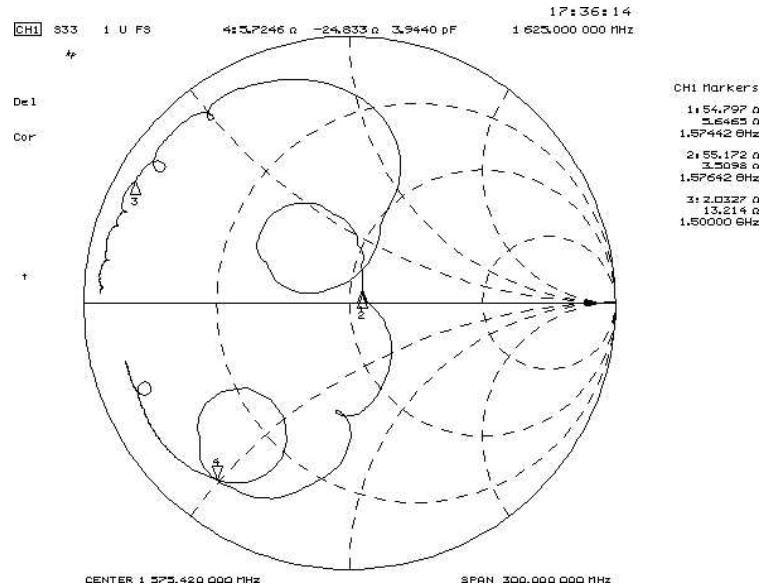
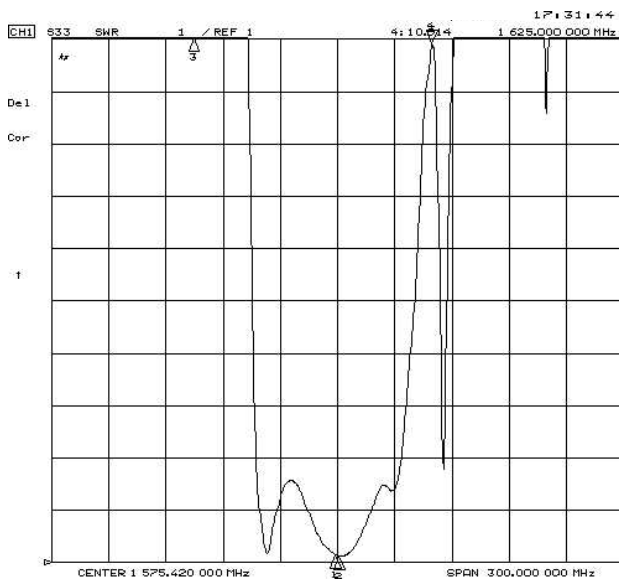


Reflections Functions :

S11 VSWR



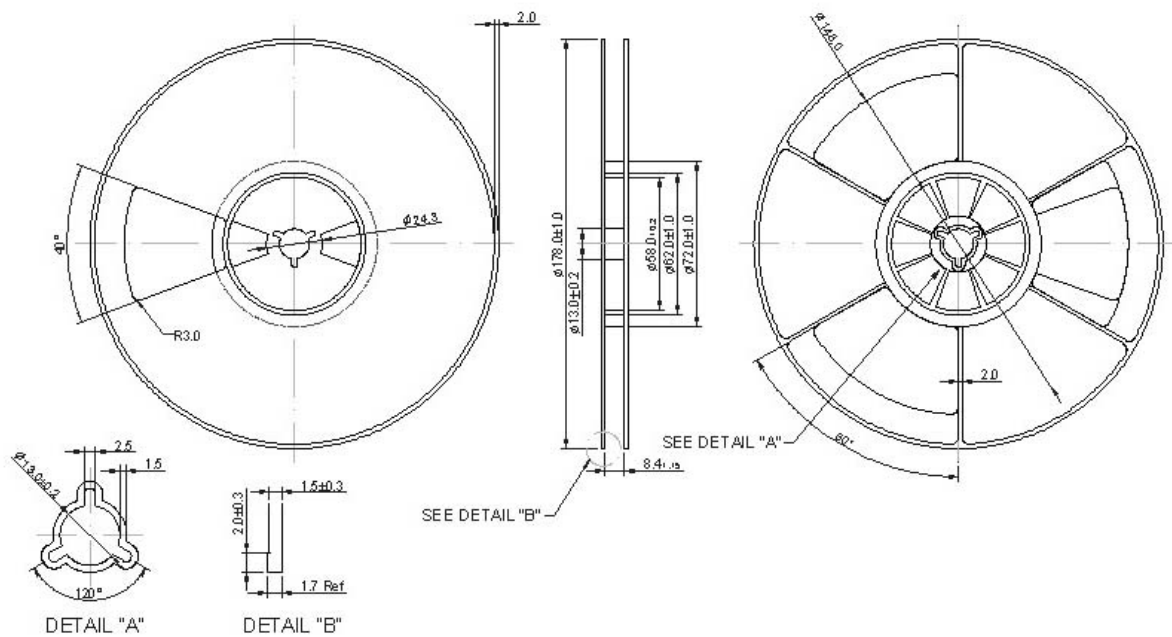
S22 VSWR



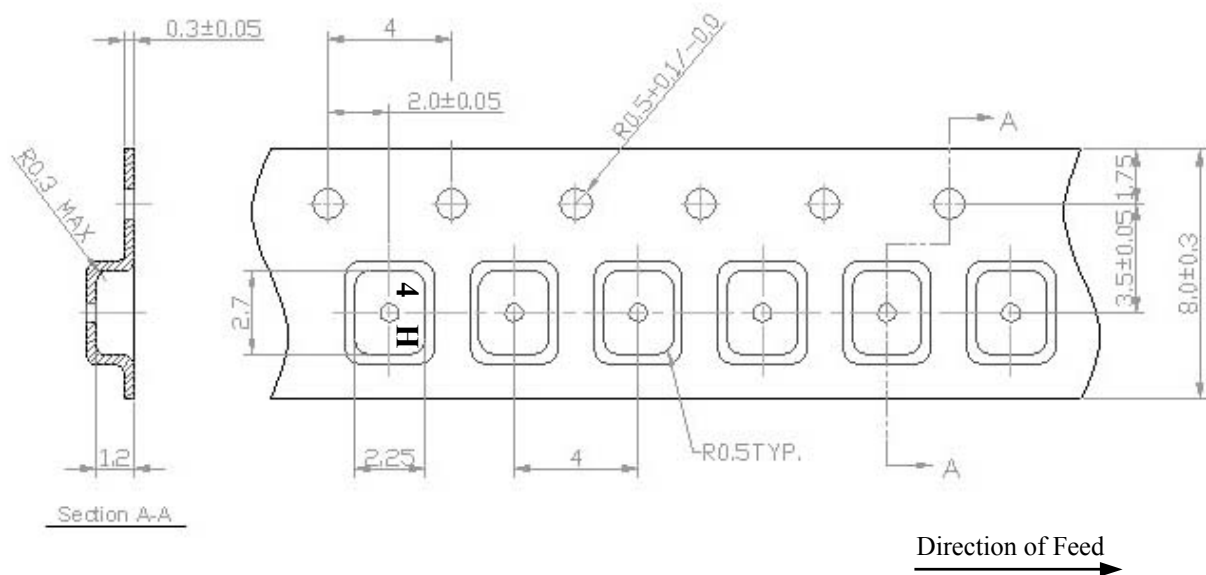
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

