



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: Mar, 23, 2007

Product Name: SAW Filter 1747.5MHz SMD 2.5X2.0 mm

TST Parts No.: TA0656A

Customer Parts No.: _____

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

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 3,23,2007



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SAW Filter 1747.5 MHz

MODEL NO.: TA0656A

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

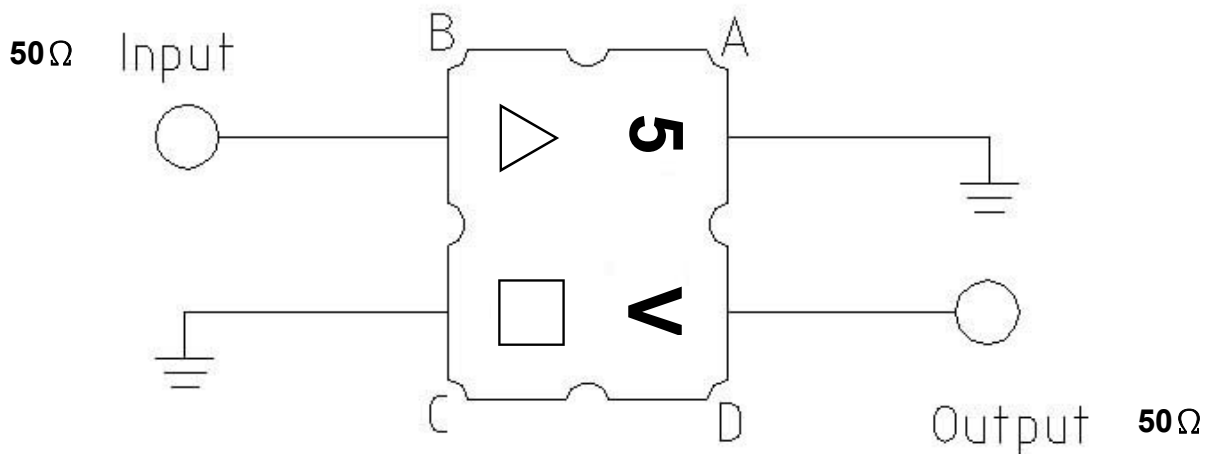
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

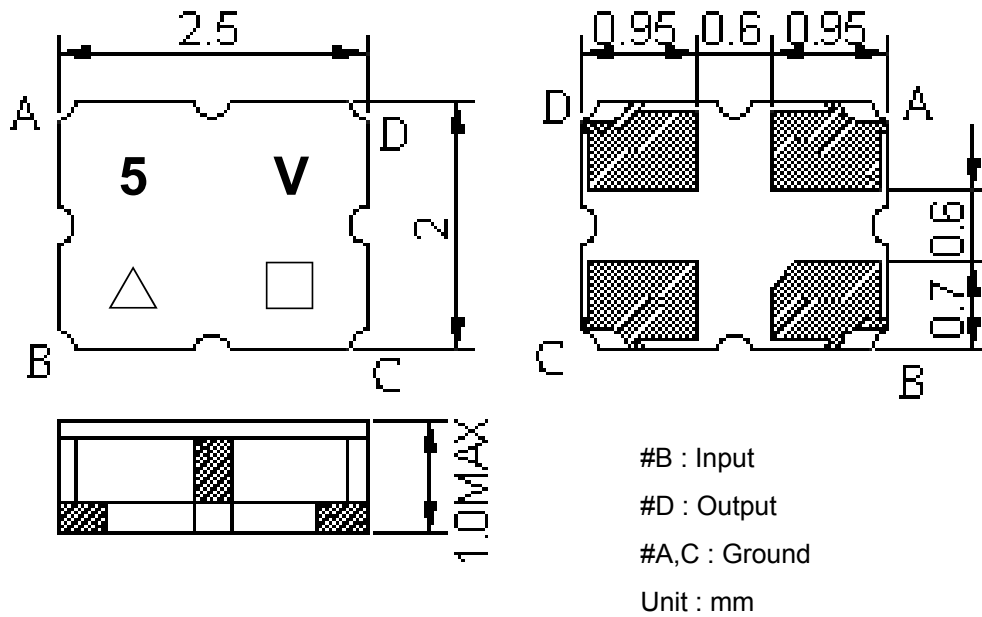
Item		Min.	Typ.	Max.
Center frequency	F_c (dB)	-	1747.5	-
Insertion loss within 1710 ~1785 MHz	IL (dB)	-	3.7	4.4
Amplitude ripple (p-p) within 1710 ~ 1785 MHz	(dB)	-	1.8	2.5
Attenuation (Reference level from 0 dB)				
DC ~ 1670 MHz	(dB)	20	23	-
1805 ~ 1880 MHz	(dB)	10	35	-
1880 ~ 3500 MHz	(dB)	23	26	-
VSWR within 1710 ~1785 MHz		-	2	2.4
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:



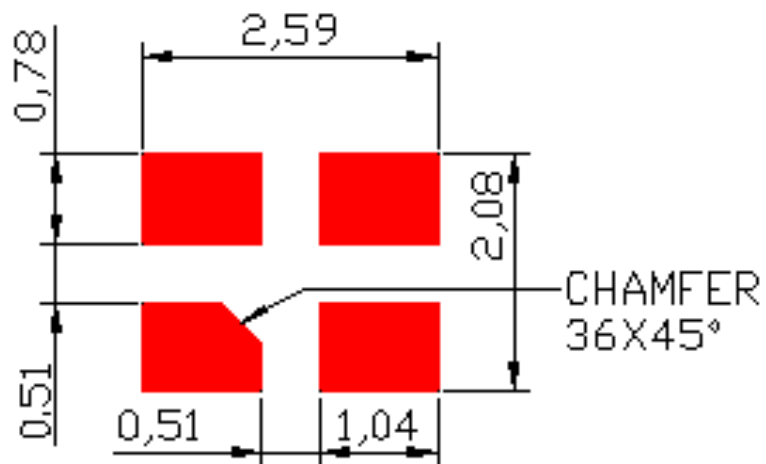
D.OUTLINE DRAWING:



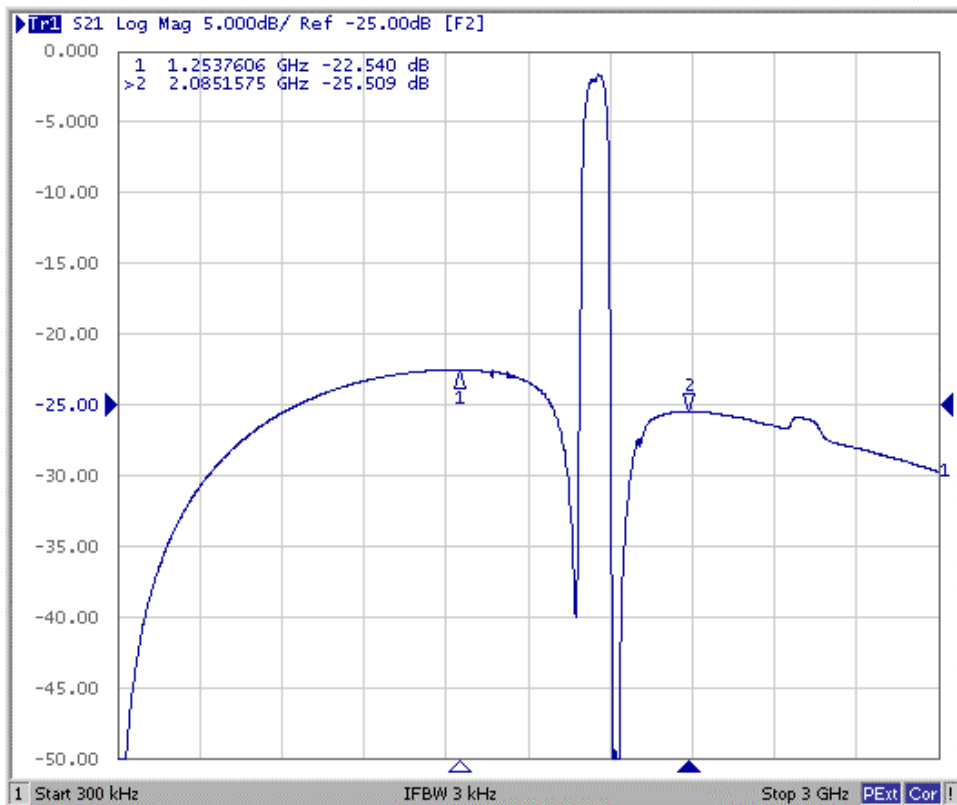
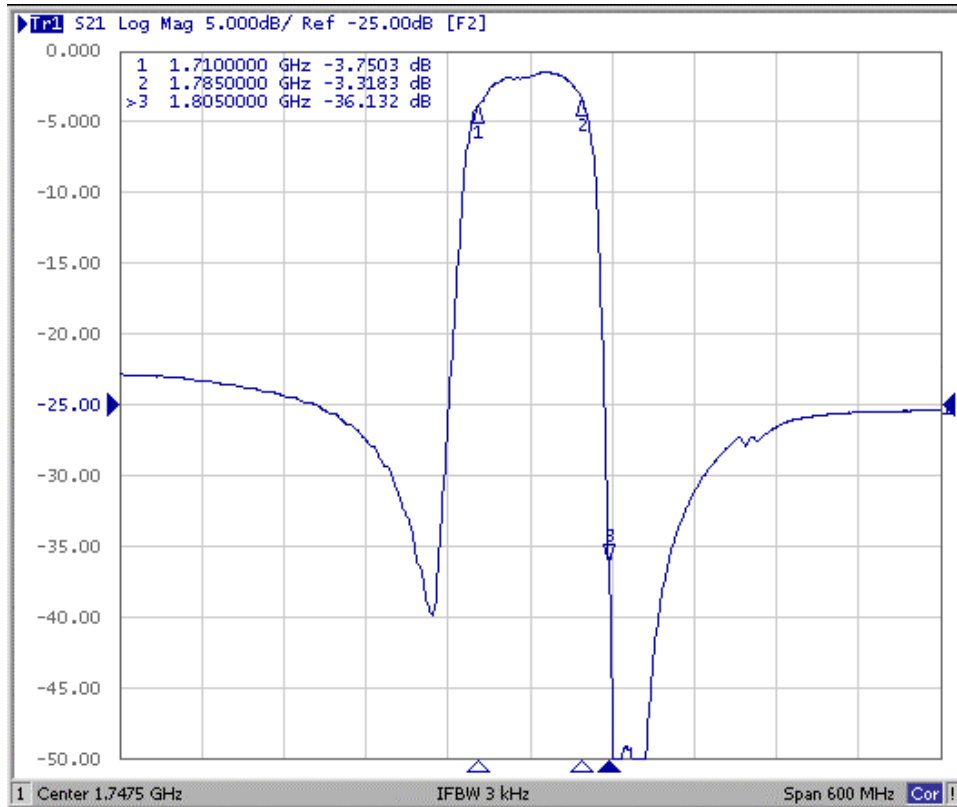
△ : Year Code (2006->6, ..., 2009->9)

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

E. PCB Footprint:

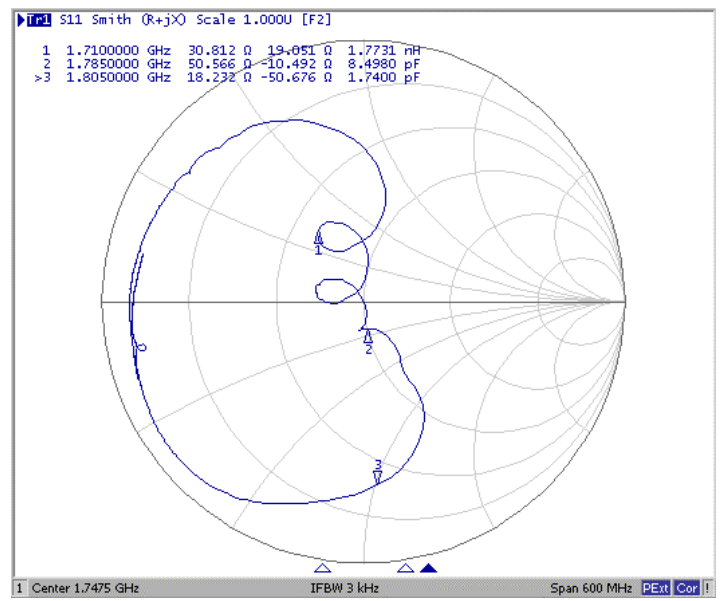
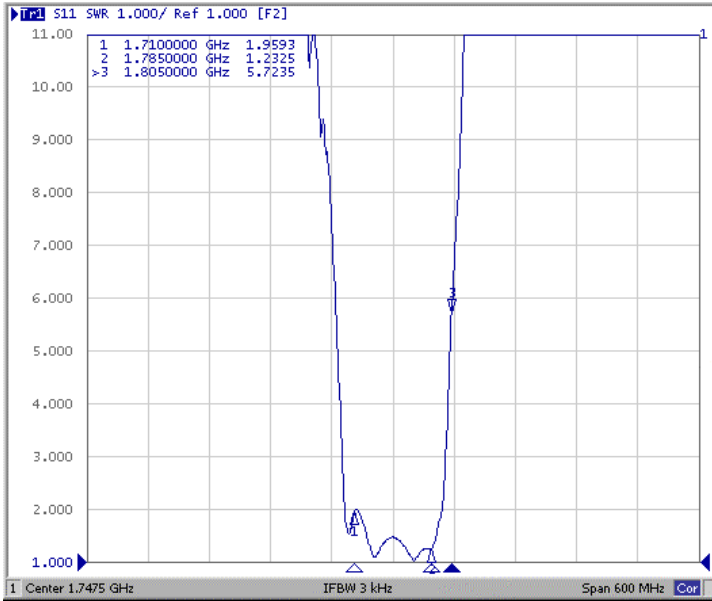


F. Frequency Characteristics : Transfer function

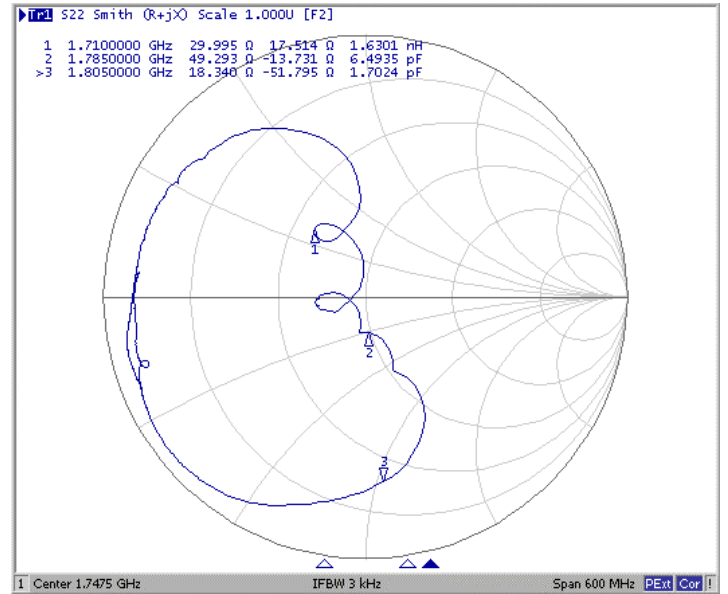
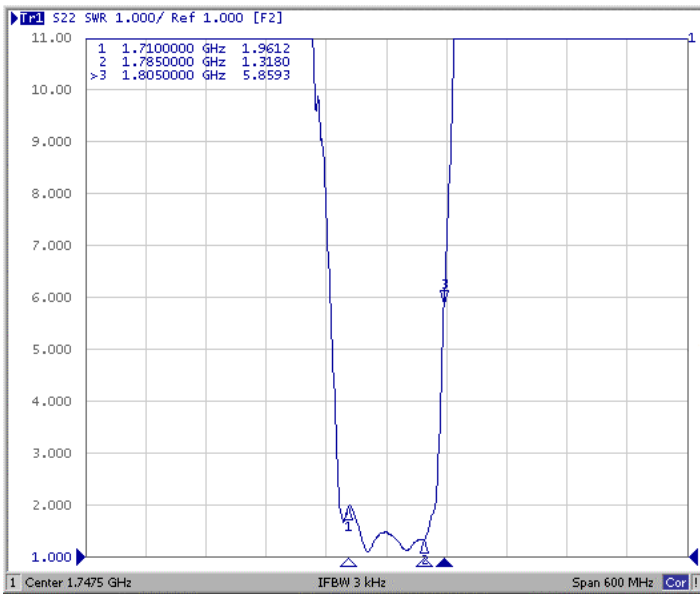


Reflections Functions :

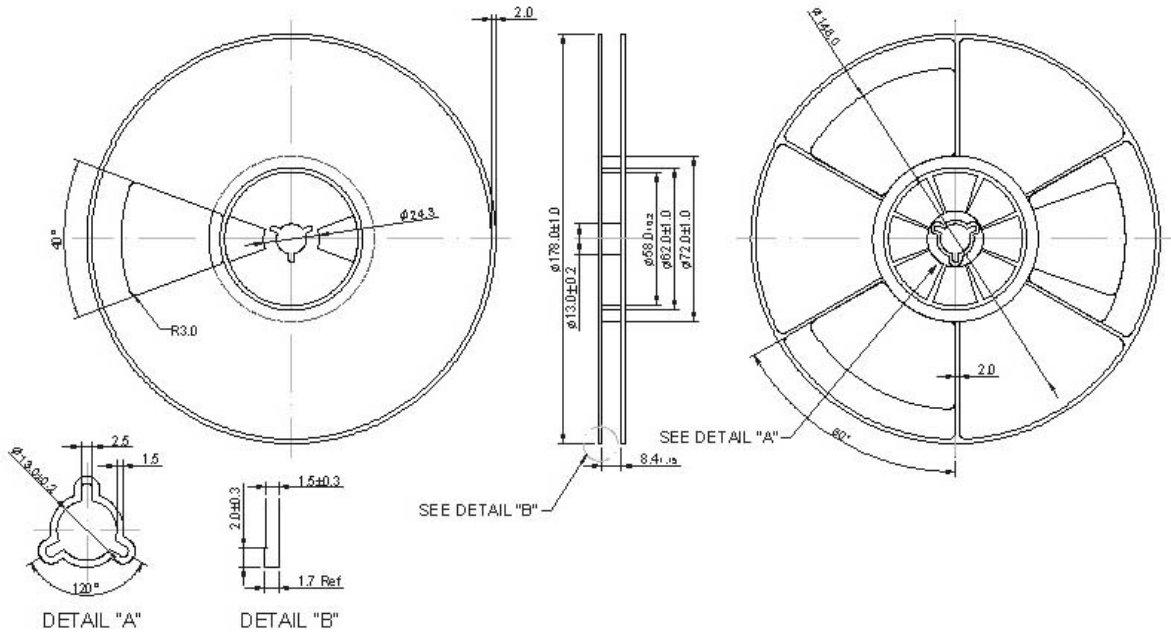
S11 VSWR



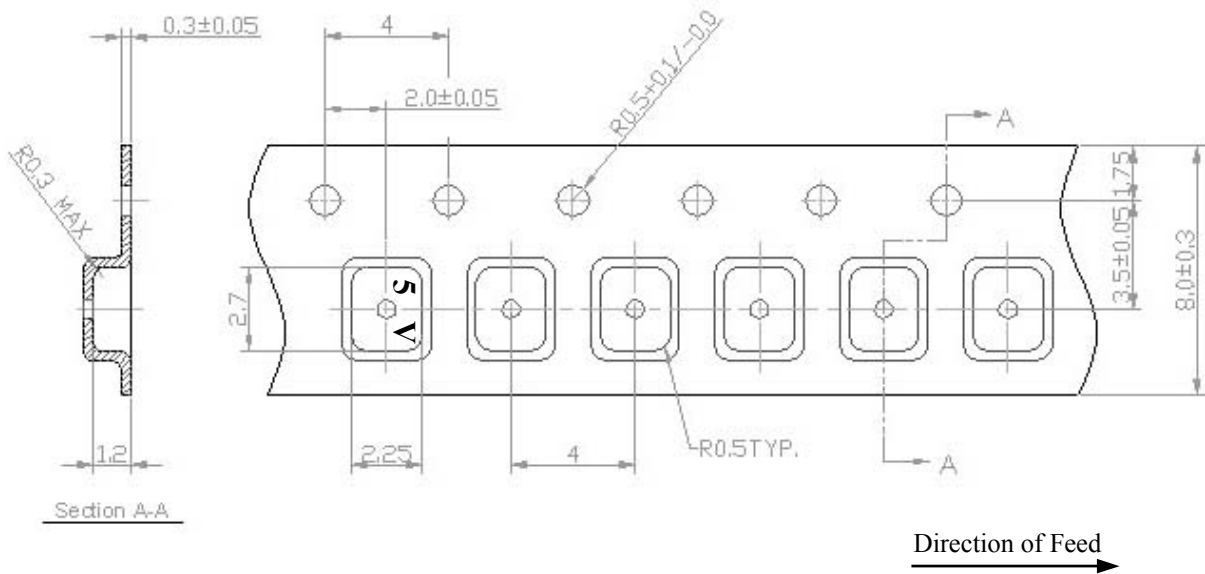
S22 VSWR



G. PACKING:
1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

