TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
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E-mail: tstsales@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

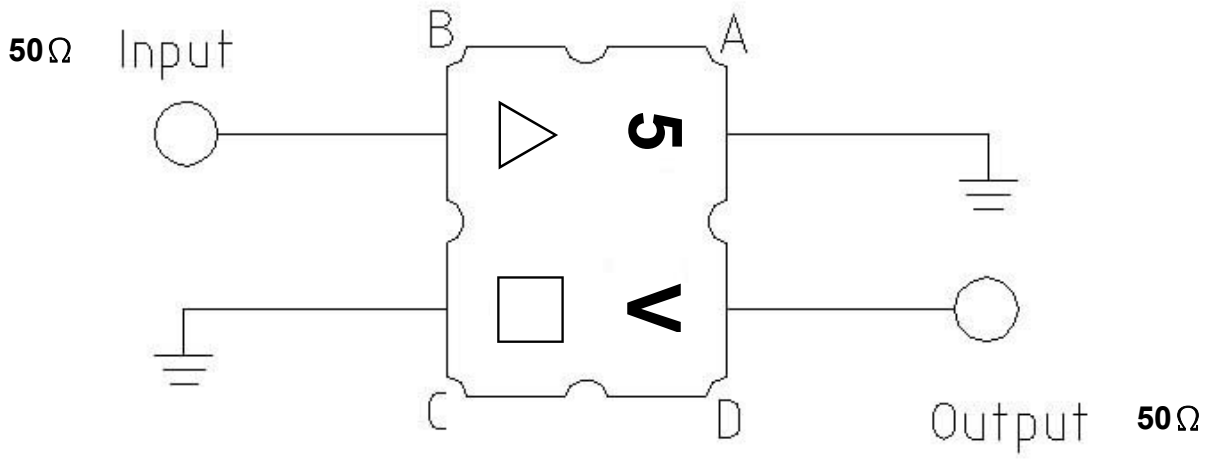
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

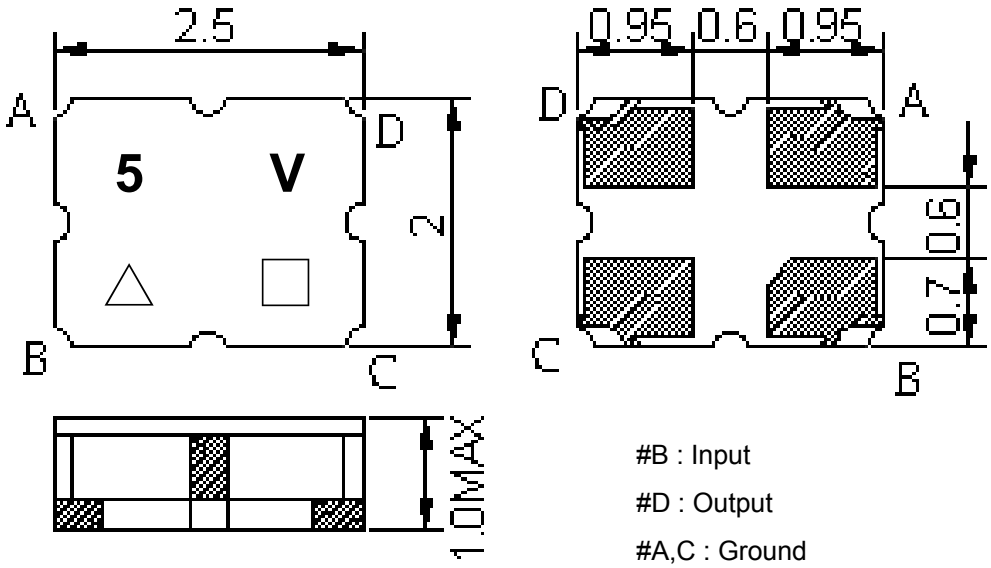
Item			Min.	Typ.	Max.
Center frequency	**Fc**	(dB)	-	1747.5	-
Insertion loss within 1710 ~1785 MHz	**IL**	(dB)	-	3.7	4.4
Amplitude ripple (p-p) within 1710 ~ 1785 MHz		(dB)	-	1.8	2.5
Attenuation (Reference level from 0 dB)					
DC ~ 1670 MHz		(dB)	20	23	-
1805 ~ 1880 MHz		(dB)	10	35	-
1880 ~ 3500 MHz		(dB)	23	26	-
VSWR within 1710 ~1785 MHz			-	2	2.4
Source impedance	Zs	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

C. MEASUREMENT CIRCUIT:



D.OUTLINE DRAWING:



#B : Input

#D : Output

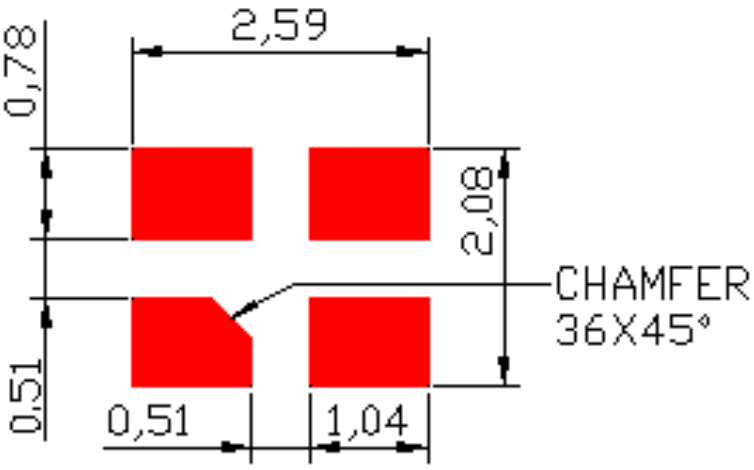
#A,C : Ground

Unit : mm

△ : Year Code (2006->6, …, 2009->9)

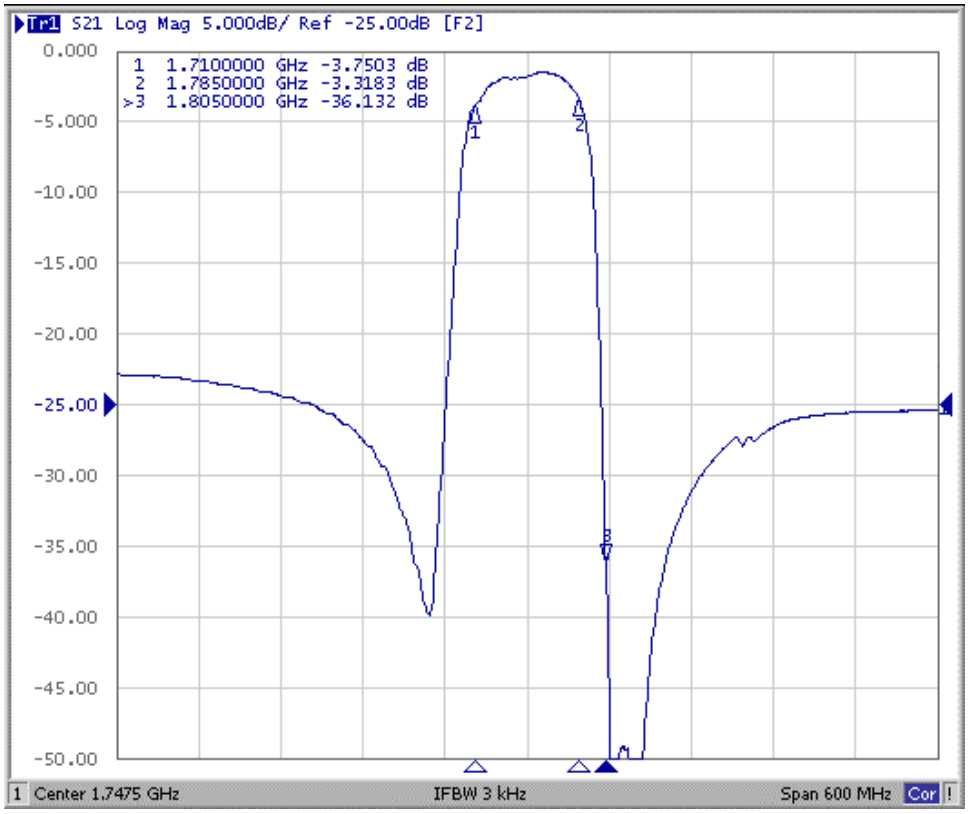
□ : Date Code (Follow the table from planner each year)

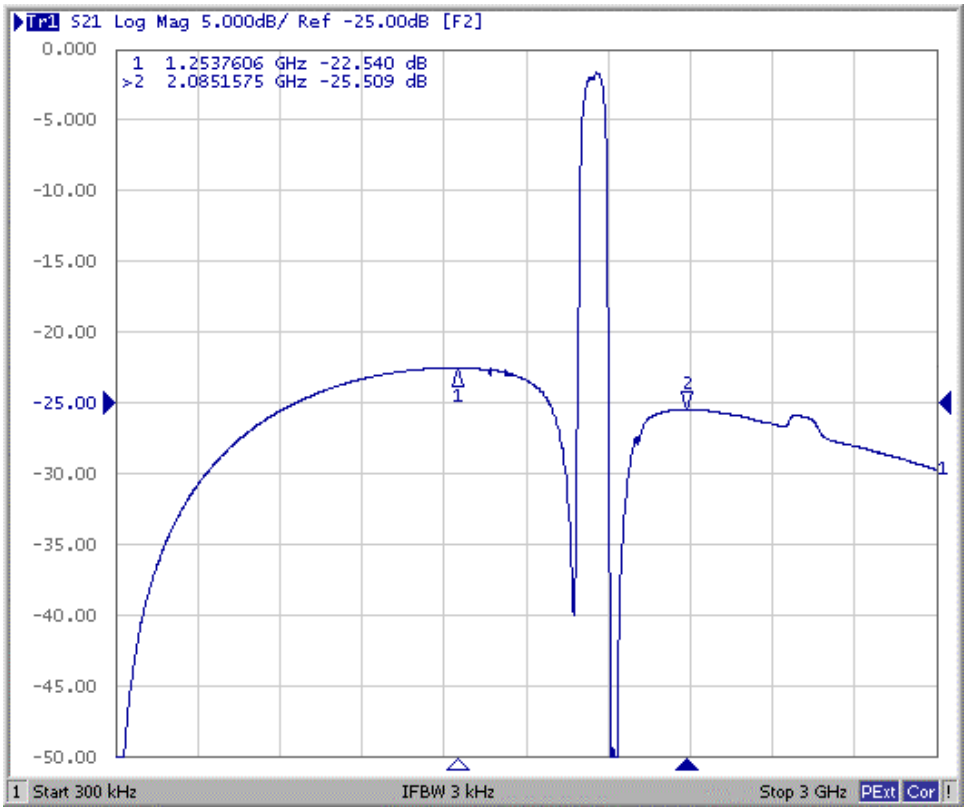
E. PCB Footprint:



F. Frequency Characteristics :

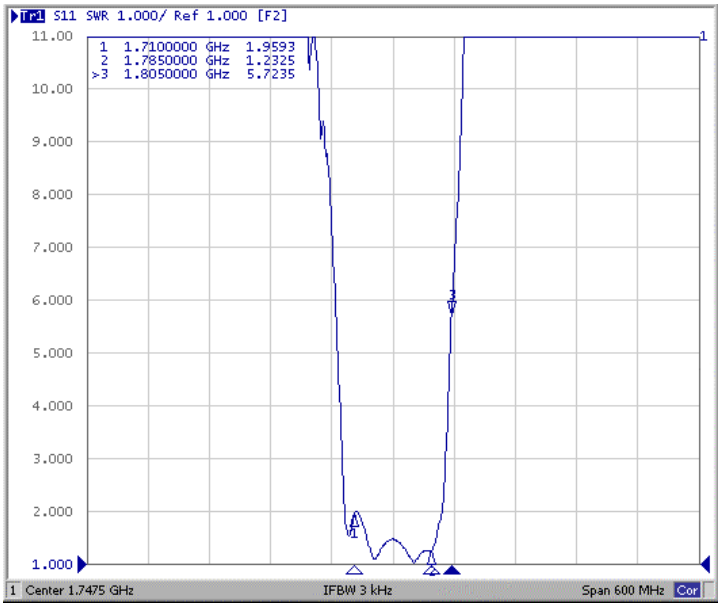
Transfer function

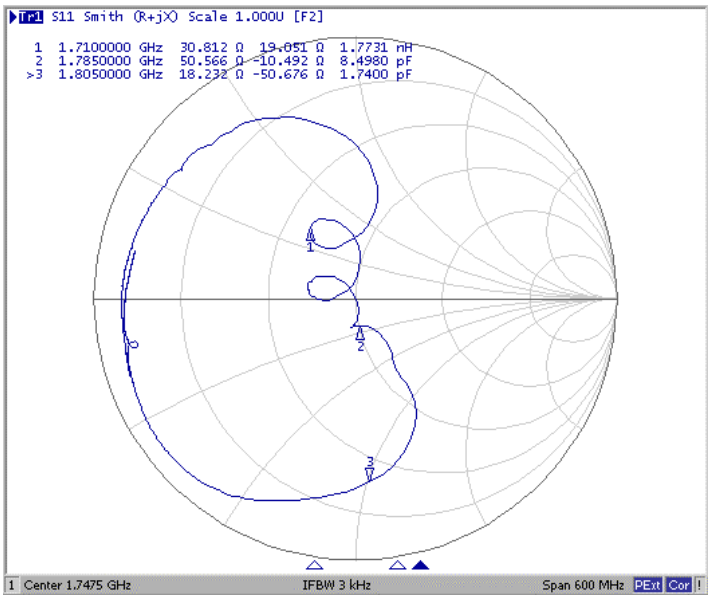




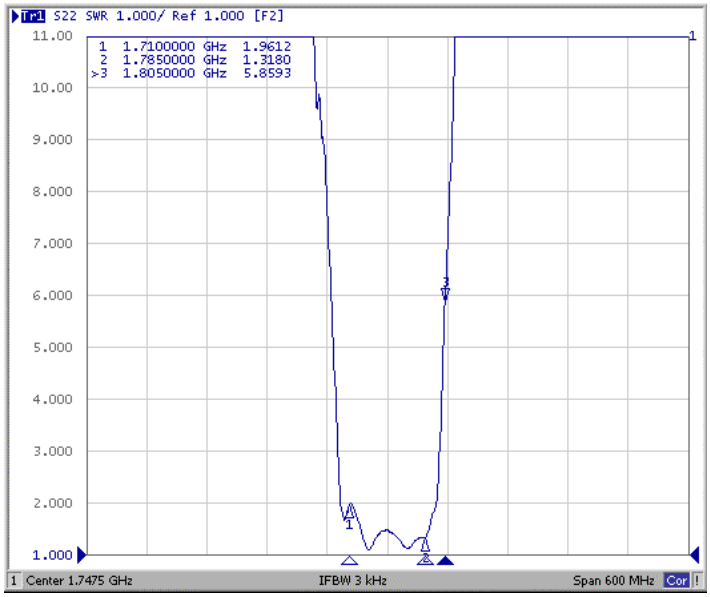
Reflections Functions :

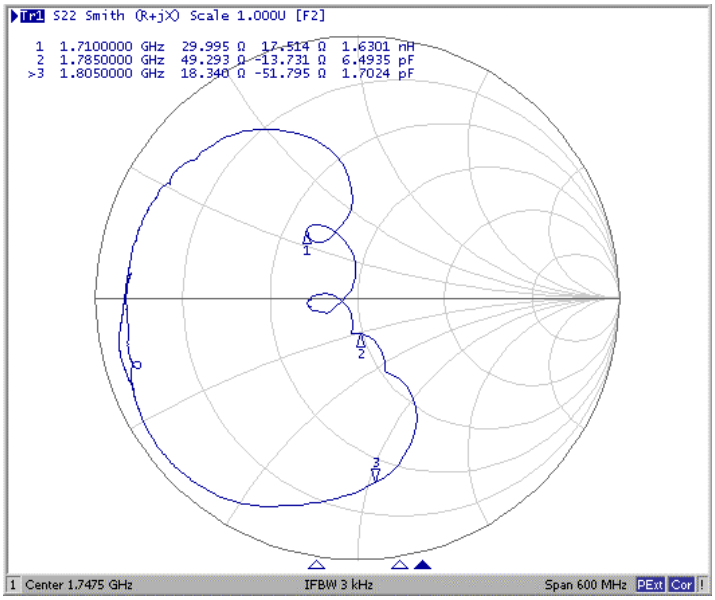
S11 VSWR





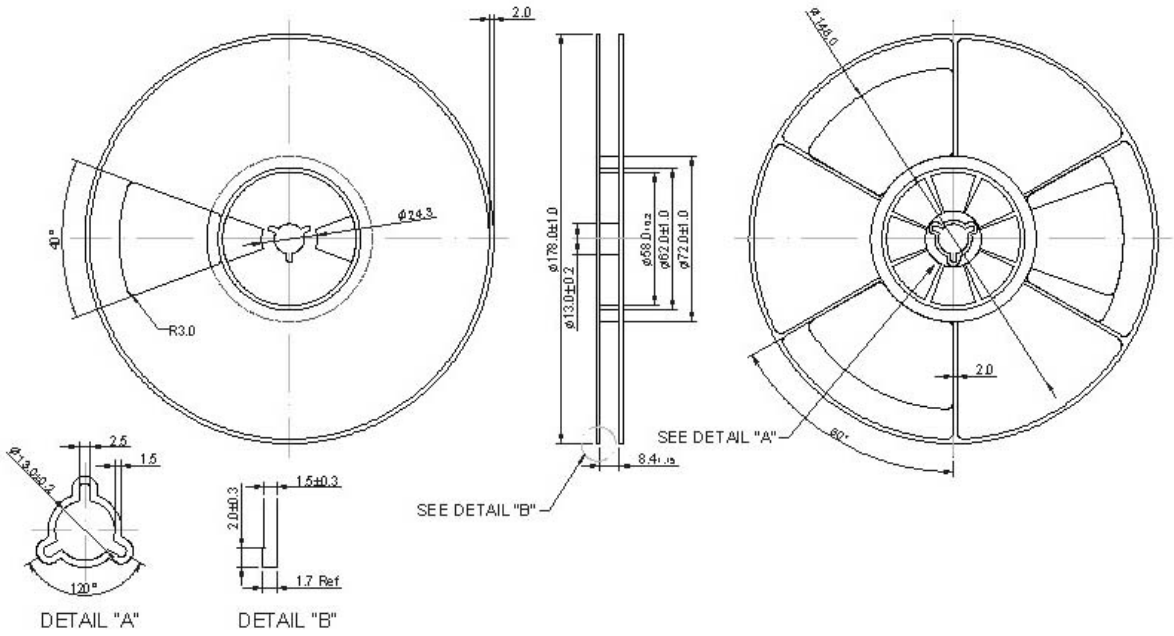
S22 VSWR



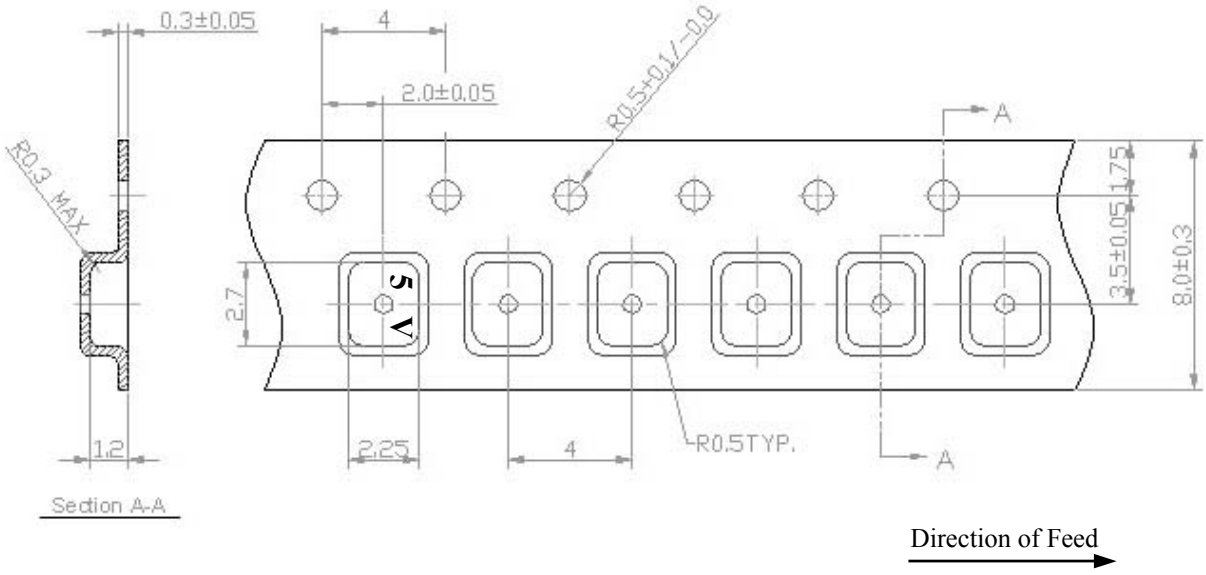


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :