



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

Approval Sheet For Product Specification

Issued Date: Oct, 23, 2007

Product Name: SAW FILTER 1842.5 MHz SMD 3.0 SQ

TST Parts No.: TA0763A

Customer Parts No.: _____

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

Checked by: _____ Anne Chen

Approval by: _____ Francis Chen

Date: _____ 10, 23, 2007



-SAW TECHNOLOGY CO., LTD.

o.3, Industrial 2nd Rd., Ping-Chen Industrial District, Taoyuan, Taiwan, R.O.C.

TEL : 886-3-4690038

FAX : 886-3-4697532

http://www.taisaw.com

E-mail : tstsales@mail1.taisaw.com

SAW Filter 1842.5 MHz for Mobile Communication

MODEL NO.: TA0763A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: +20dB_m
2. DC voltage: 0 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

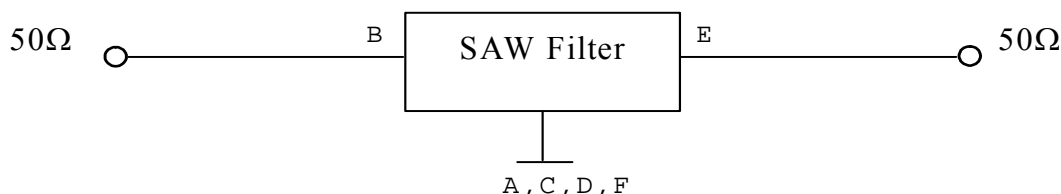
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

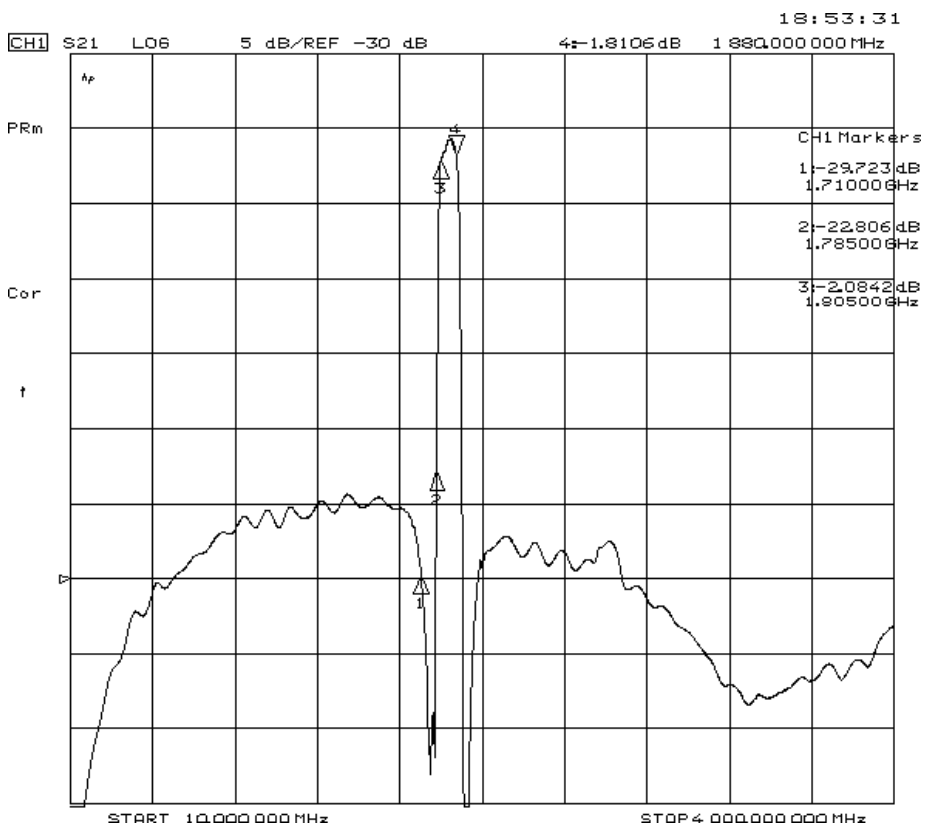
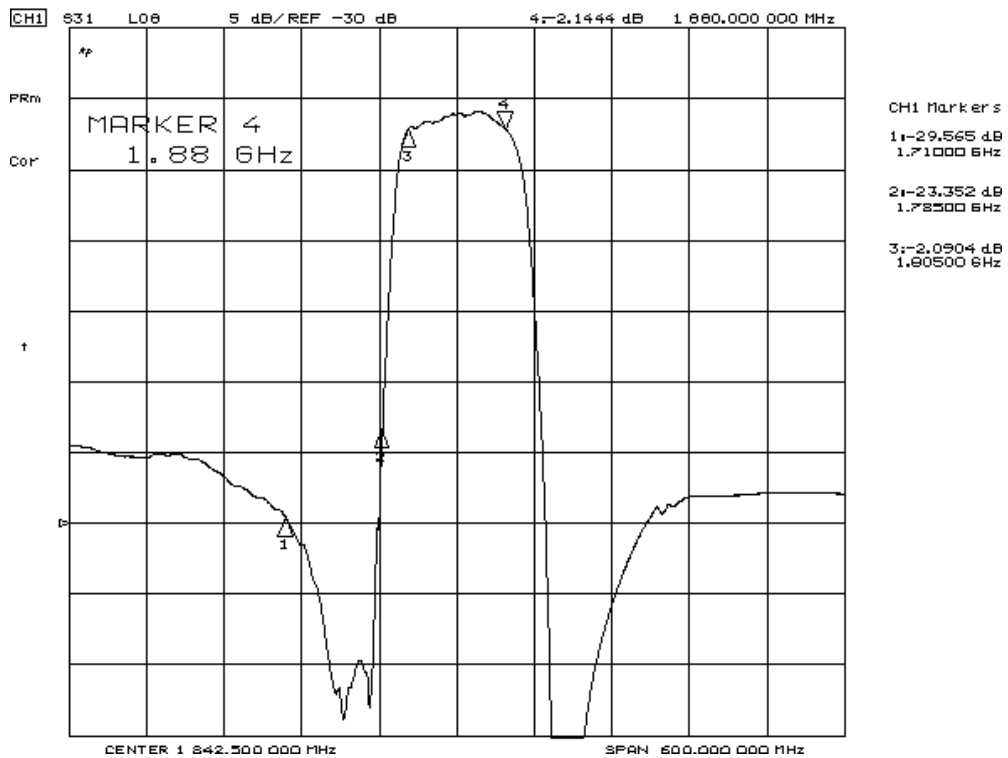
Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	1842.5	-
Insertion loss within 1805 ~1880 MHz IL (dB)	-	2.2	3.8
Amplitude ripple (p-p) within 1805 ~ 1880 MHz (dB)	-	1.3	2.3
Attenuation (Reference level from 0 dB)			
D.C. ~ 1500 MHz (dB)	20.0	24.5	-
1600 ~ 1710 MHz (dB)	22.0	25.0	-
1710 ~ 1785 MHz (dB)	10.0	23.5	-
1920 ~ 3120 MHz (dB)	25.0	28.0	-
3120 ~ 4000 MHz (dB)	17.0	30.0	-
VSWR within 1805 ~1880 MHz	-	1.9	2.6
Source impedance Zs (Ω)	-	50	-
Load impedance ZL (Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

HP Network analyzer

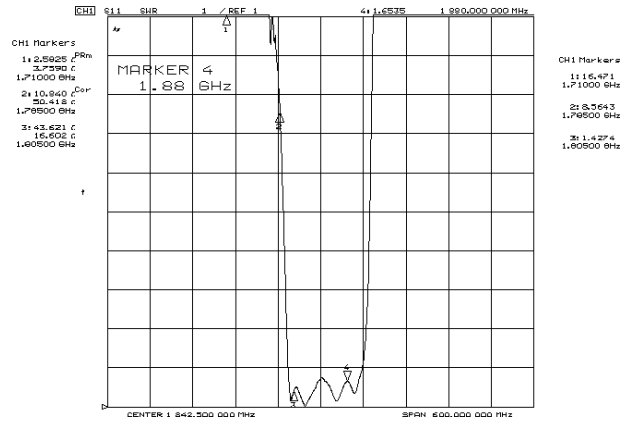
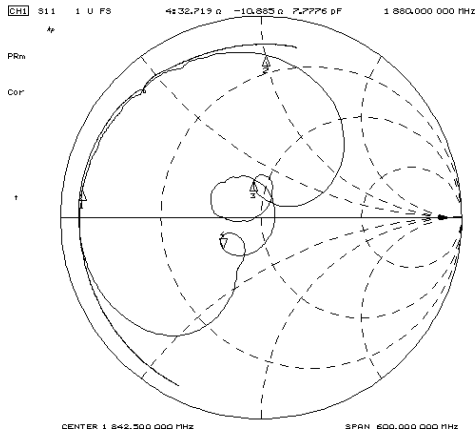


C. Frequency Characteristics : Transfer function

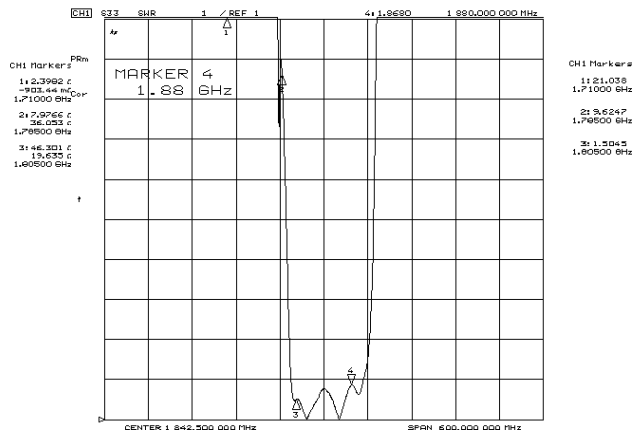
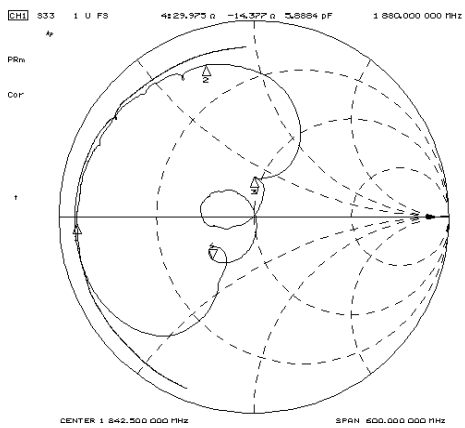


Reflections Functions :

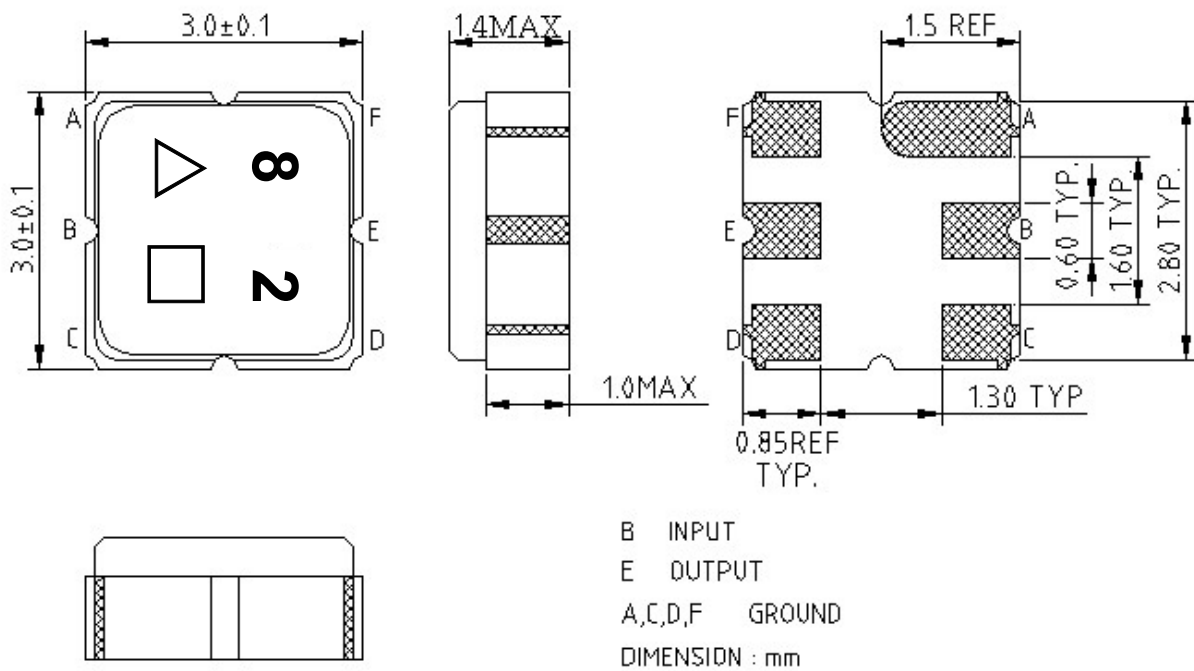
S11 VSWR



S22 VSWR

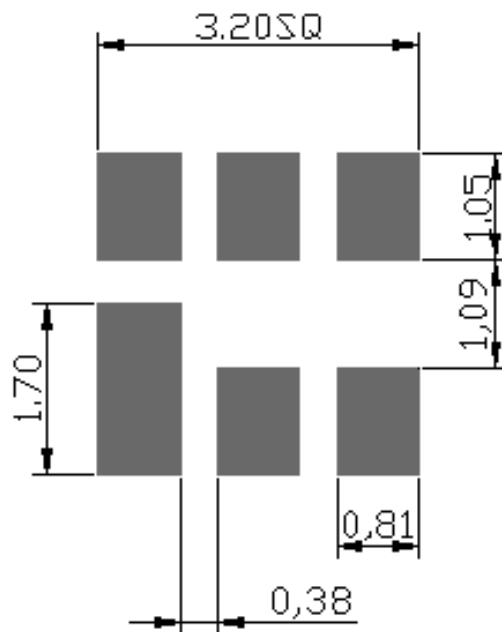


E.OUTLINE DRAWING:



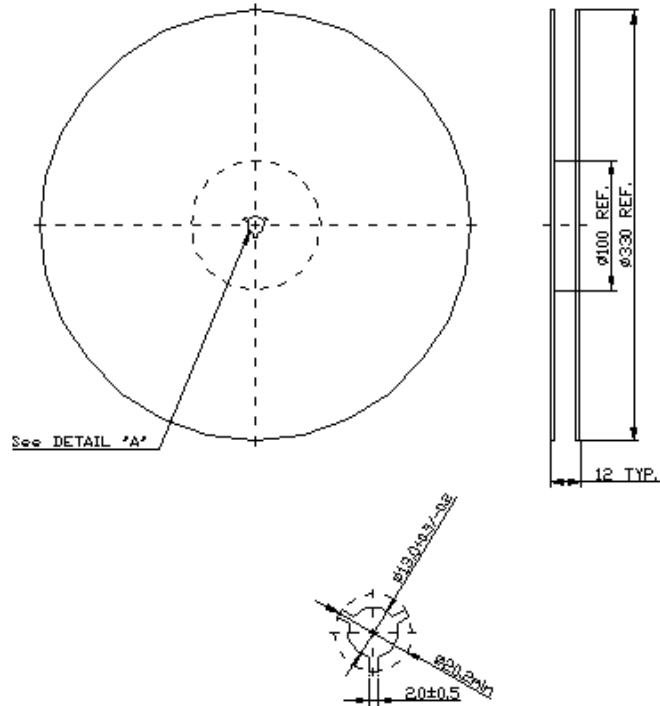
- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (Follow the table from planner each year)

E. PCB Footprint:

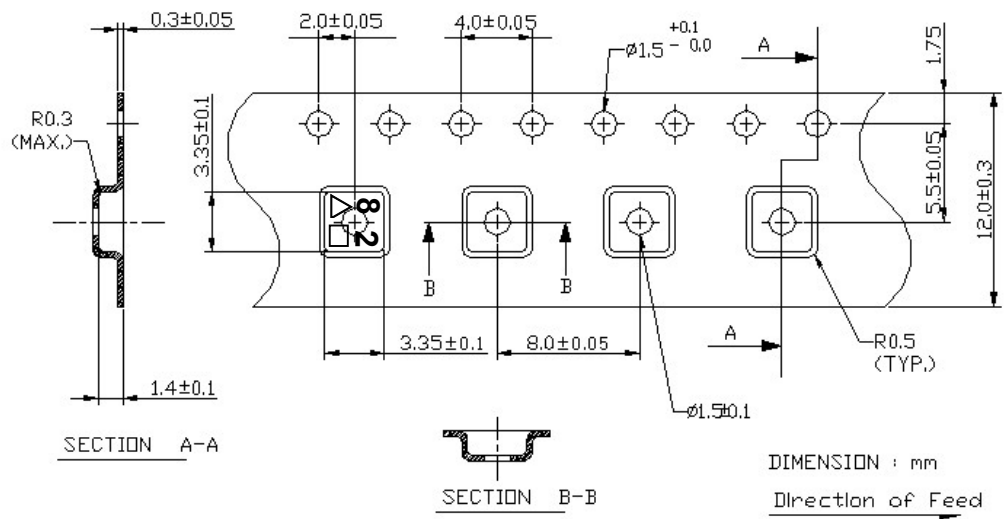


F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



I. **RECOMMENDED REFLOW PROFILE :**

