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: August, 31, 2005

Product Name: SAW Filter 1842.5 MHz SMD 3X3 mm

TST Parts No.:TA0363F

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Bob Chau_____

Approval by:_____Francis Chen_____

Date:_____8, 31, 2005_____

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SAW Filter 1842.5 MHz for Mobile Communication

MODEL NO.: TA0363F REV. NO.:2

RoHS Compliant
Lead free
Lead-free soldering

A1. MAXIMUM RATING:

1.Input Power Level: 13 dB_m
2.DC voltage: 3 V
3.Operating Temperature: 25°C
4.Storage Temperature: -40°C to +85°C

B1. ELECTRICAL CHARACTERISTICS:

Item				Min.	Typ.	Max.
Center frequency		**Fc**	(MHz)	-	1842.5	-
Insertion loss (1805~1880 MHz)		**IL**	(dB)	-	2.2	3.8
Amplitude ripple (1805~1880 MHz)			(dB)	-	1.3	2.3
Attenuation (Reference level from 0 dB)						
D.C. ~ 1500	MHz		(dB)	20.0	24.5	-
1500 ~ 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	-
Input/Output VSWR (1805~1880 MHz)				-	1.9	2.1
Source impedance		Zs	(Ω)	-	50	-
Load impedance		Z_L	(Ω)	-	50	-

A2. MAXIMUM RATING:

1.Input Power Level: 13 dB_m

2.DC voltage: 3 V

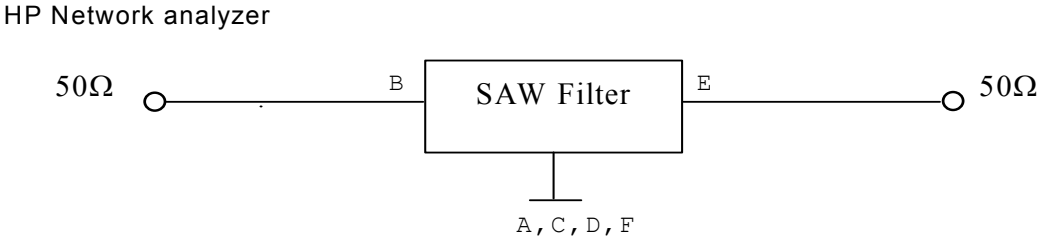
3.Operating Temperature: -30°C to +85°C

4.Storage Temperature: -40°C to +85°C

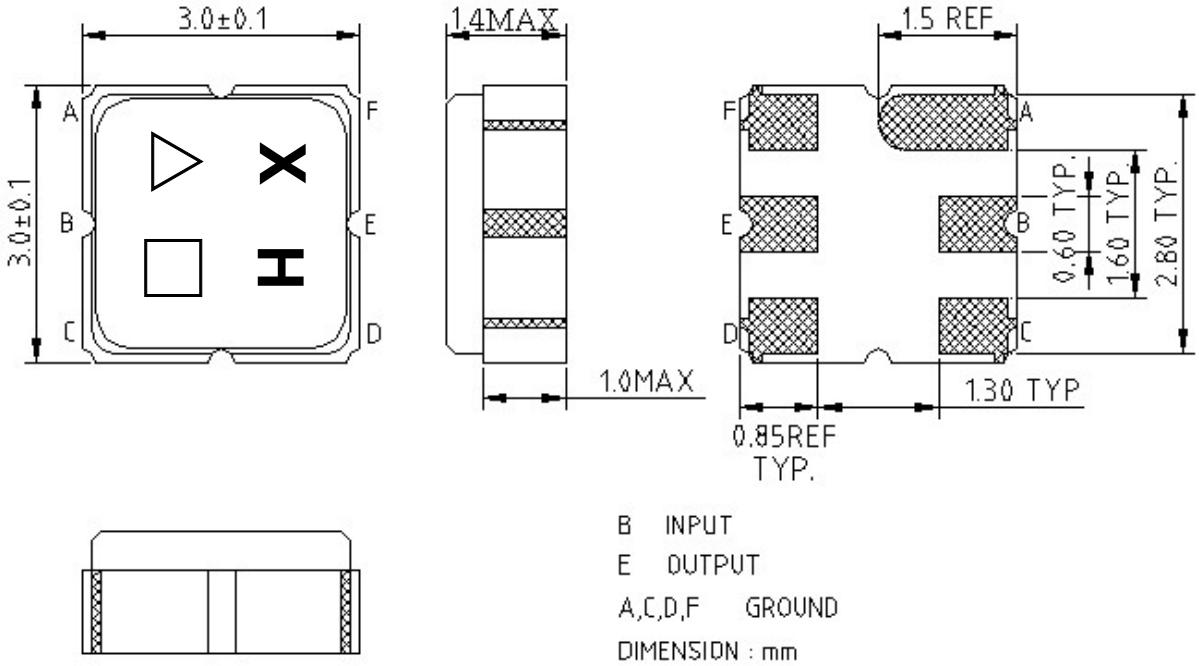
B2. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typ.	Max.
Center frequency	**Fc**	(MHz)	-	1842.5	-
Insertion loss (1805~1880 MHz)	**IL**	(dB)	-	2.2	3.8
Amplitude ripple (1805~1880 MHz)		(dB)	-	1.3	2.3
Attenuation (Reference level from 0 dB)					
D.C. ~ 1500 MHz		(dB)	20.0	24.5	-
1500 ~ 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	-
Input/Output VSWR (1805~1880 MHz)			-	2.0	2.2
Source impedance	Zs	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

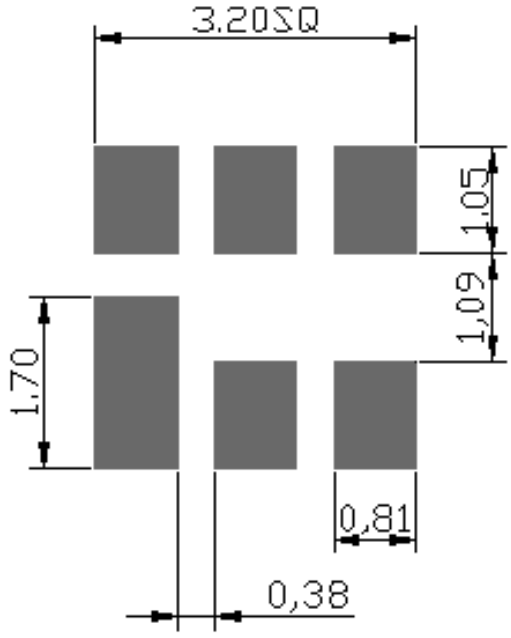
C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:

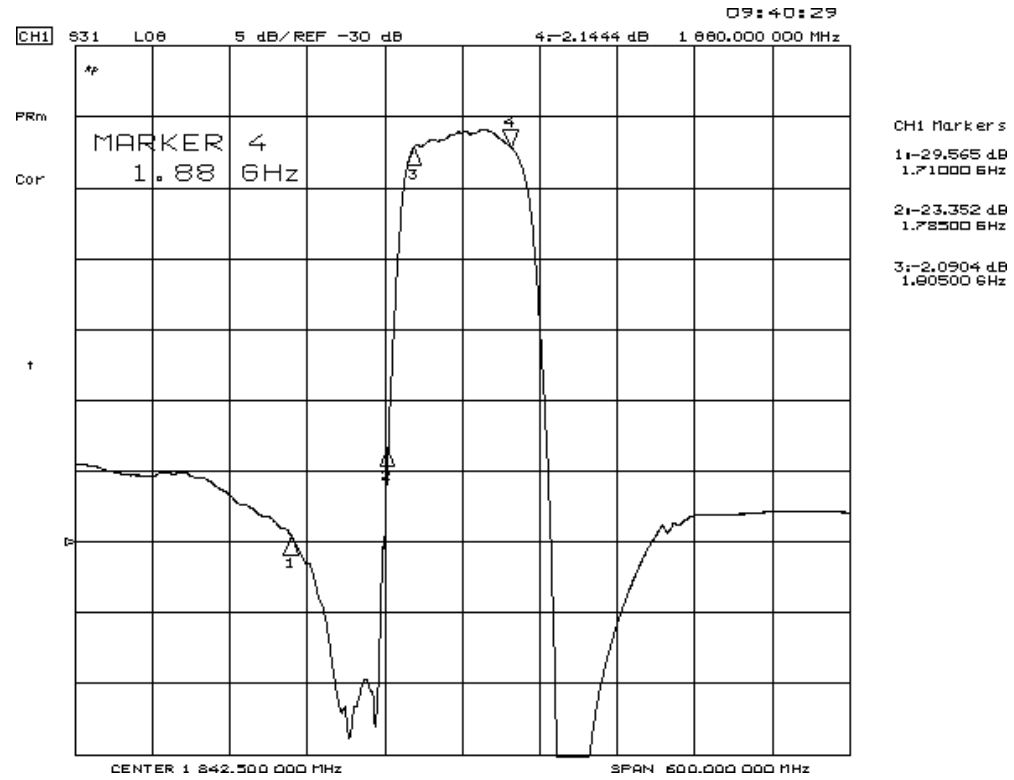


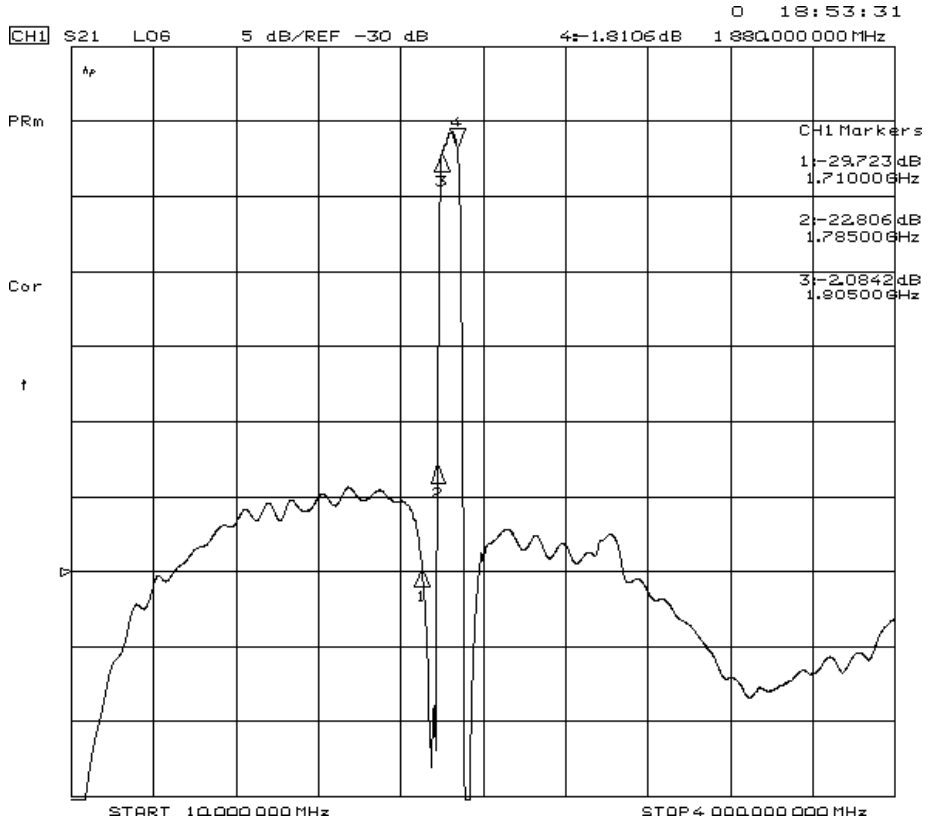
E. PCB Footprint:



F. Frequency Characteristics :

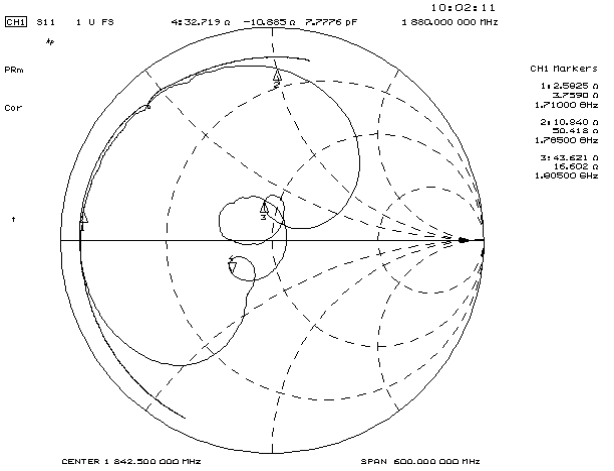
Transfer function

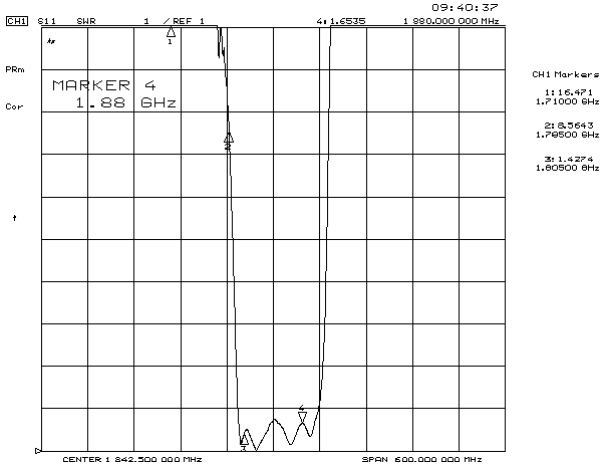




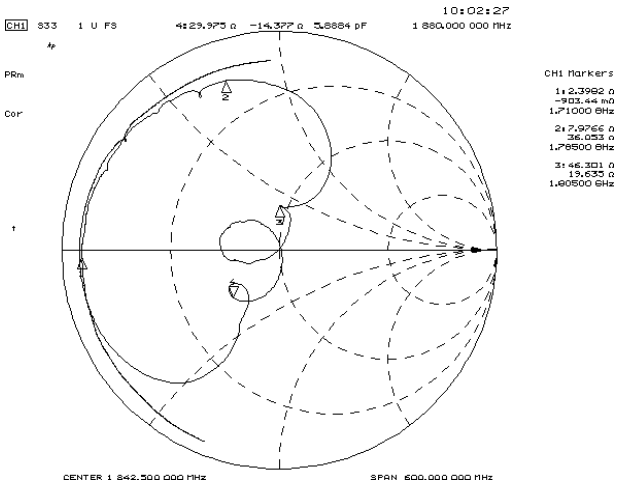
Reflections Functions :

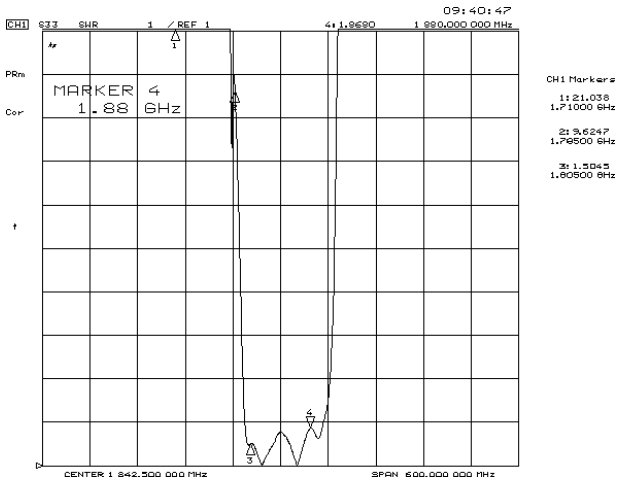
S11





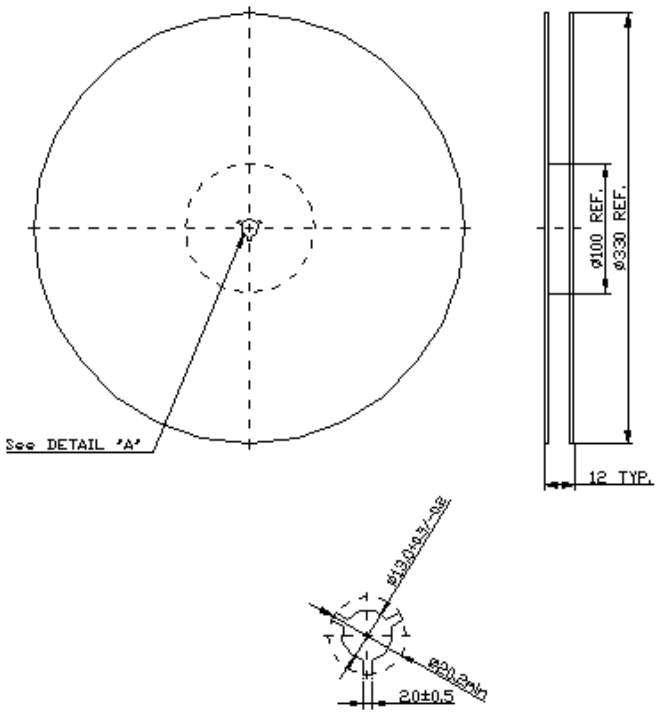
S22





G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

