



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: Nov, 24, 2006

Product Name: SAW Filter 1970 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0605A

Customer Parts No.: _____

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

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 11, 24, 2006



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SAW Filter 1970MHz

MODEL NO.:TA0605A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

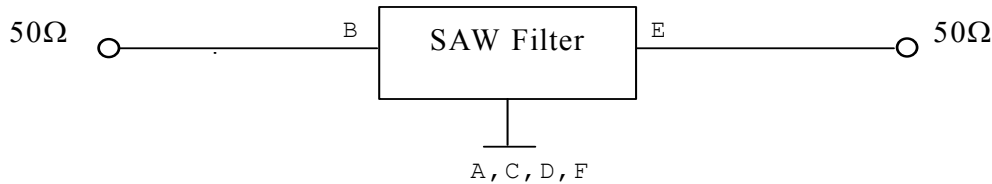
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

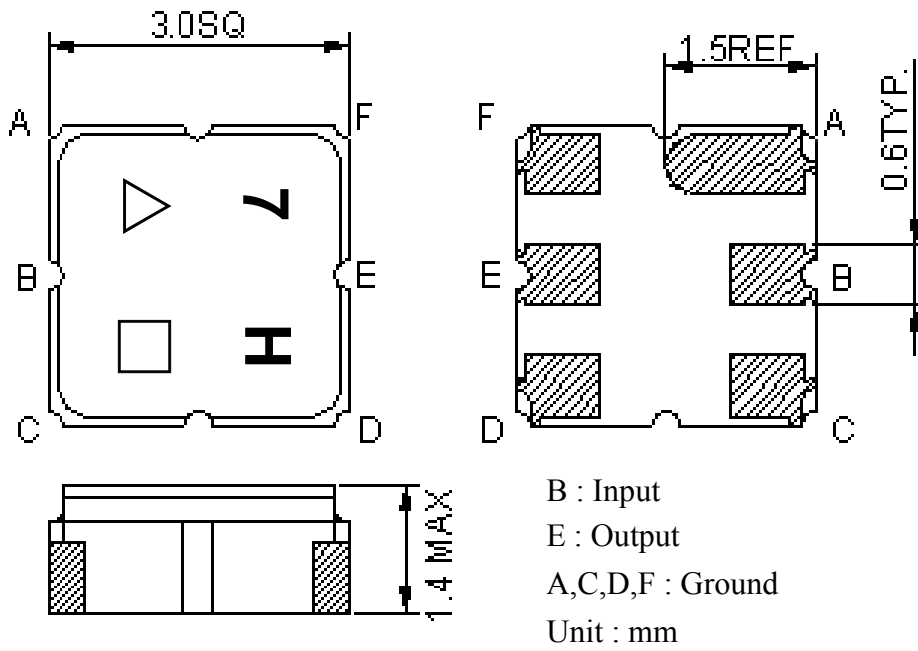
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1970	-	-
Insertion Loss (1940 ~ 2000 MHz) IL	dB	-	2.6	4	-
Amplitude Ripple (1940 ~ 2000 MHz)	dB	-	1.5	2.5	-
VSWR (1940 ~ 2000 MHz)		-	1.7	2.4	-
Relative Attenuation (relative to 0 dB)					
D.C. ~ 1860 MHz	dB	20	32	-	-
1860 ~ 1920 MHz	dB	9	13	-	-
2020 ~ 2050 MHz	dB	4.5	8	-	-
2050 ~ 2080 MHz	dB	20	61	-	-
2080 ~ 4000 MHz	dB	22	31	-	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer

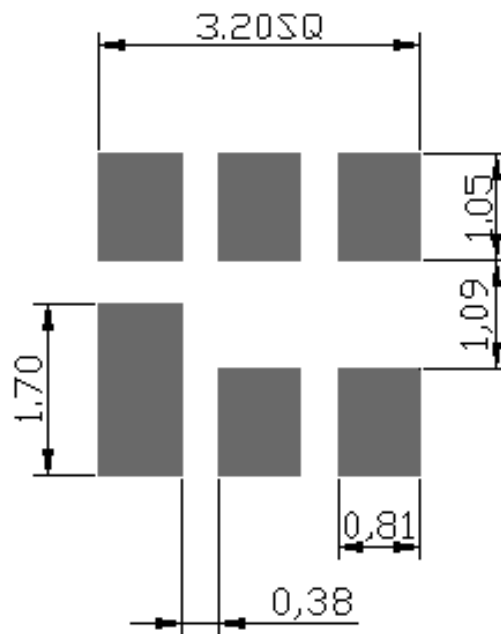


D.OUTLINE DRAWING:

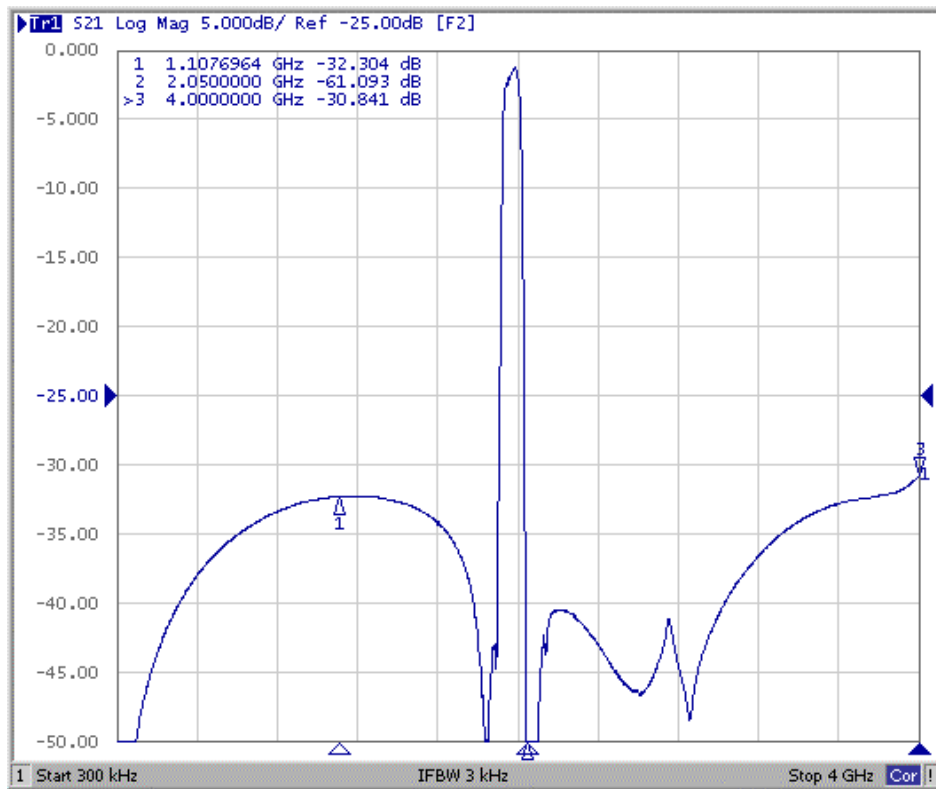
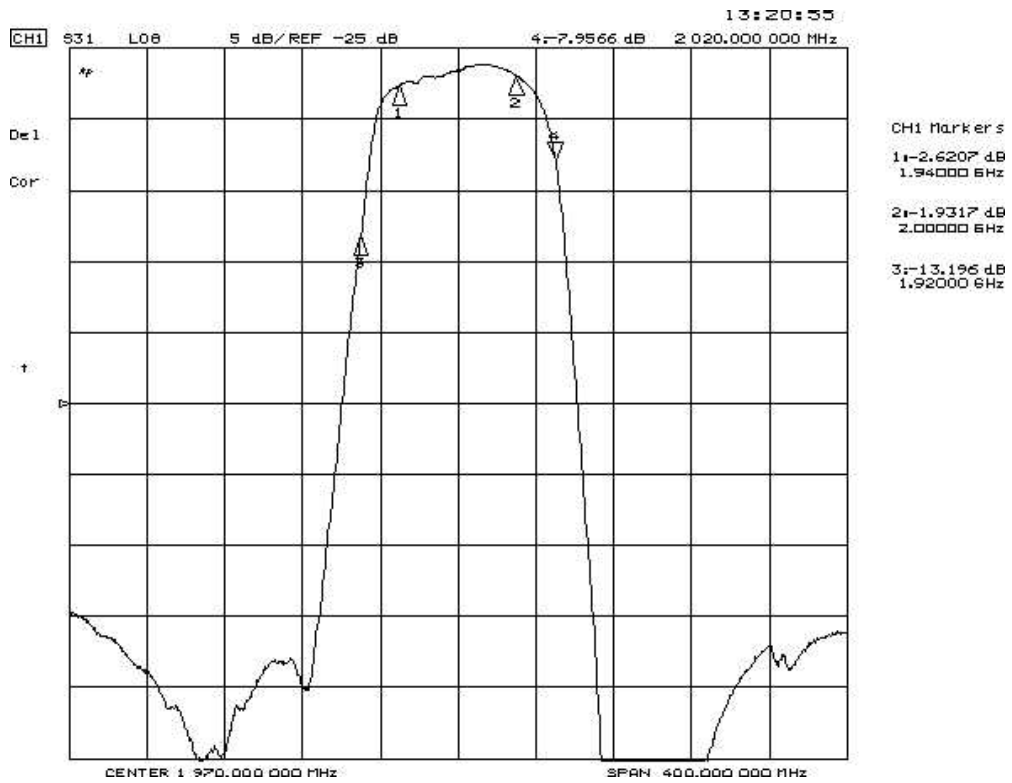


- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (Follow the table from planner each year)

E. PCB Footprint:

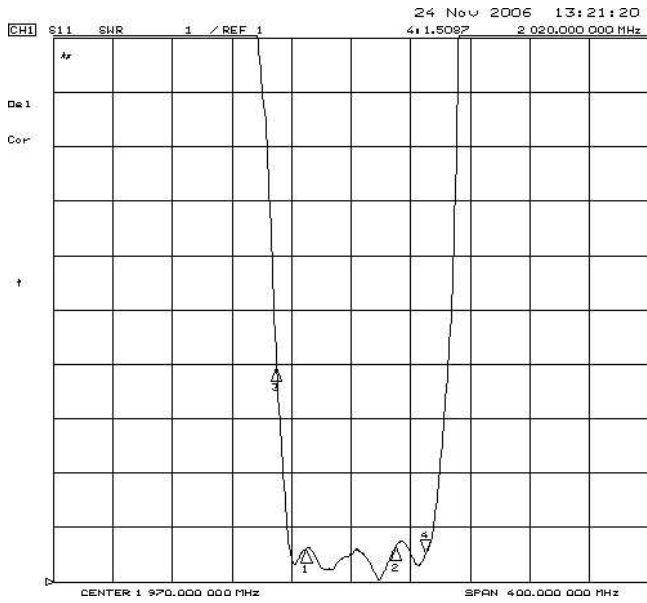


F. Frequency Characteristics :



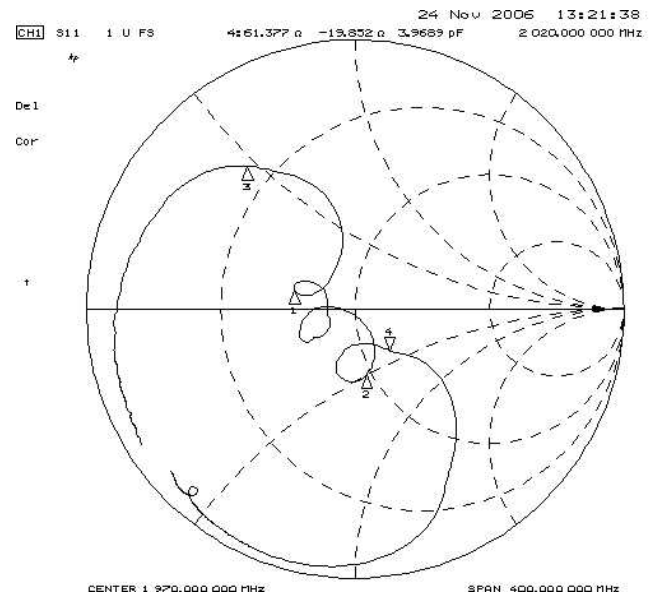
Reflection Functions :

S11



CHI Markers

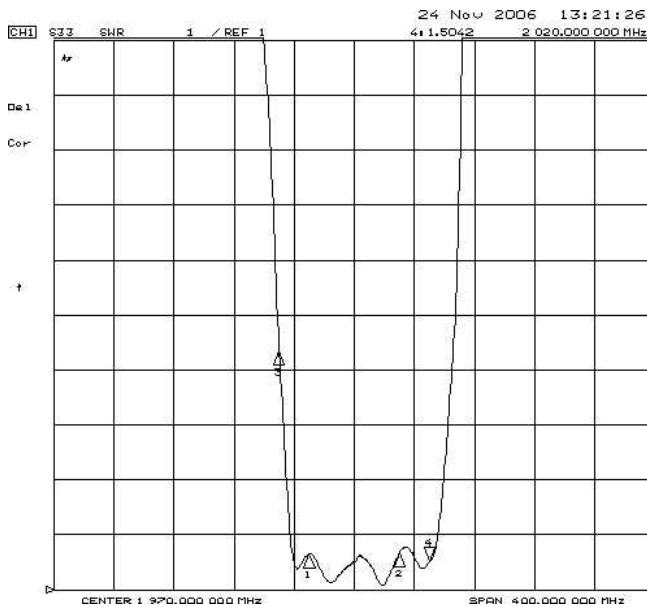
1:	1.6185	1.94000 GHz
2:	1.6331	2.00000 GHz
3:	4.9570	1.92000 GHz



CHI Markers

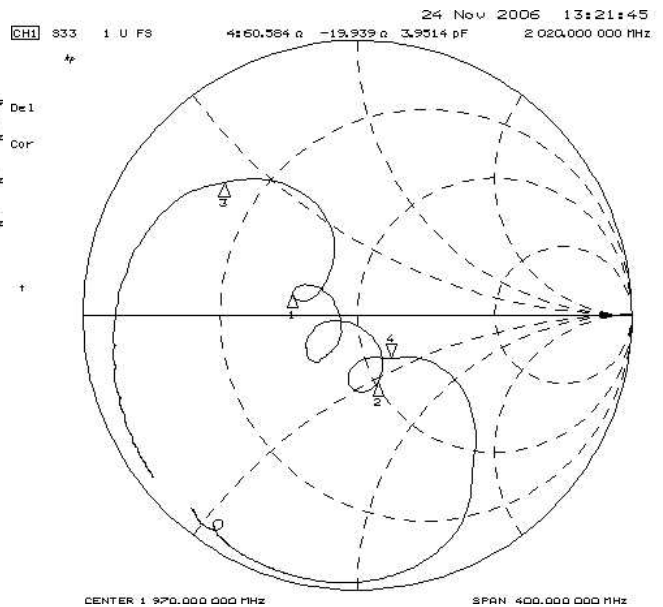
1:	31.374 Ω	4.7139 Ω	1.94000 GHz
2:	49.268 Ω	-24.875 Ω	2.00000 GHz
3:	12.459 Ω	23.653 Ω	1.92000 GHz

S22



CHI Markers

1:	1.6387	1.94000 GHz
2:	1.6761	2.00000 GHz
3:	3.3484	1.92000 GHz



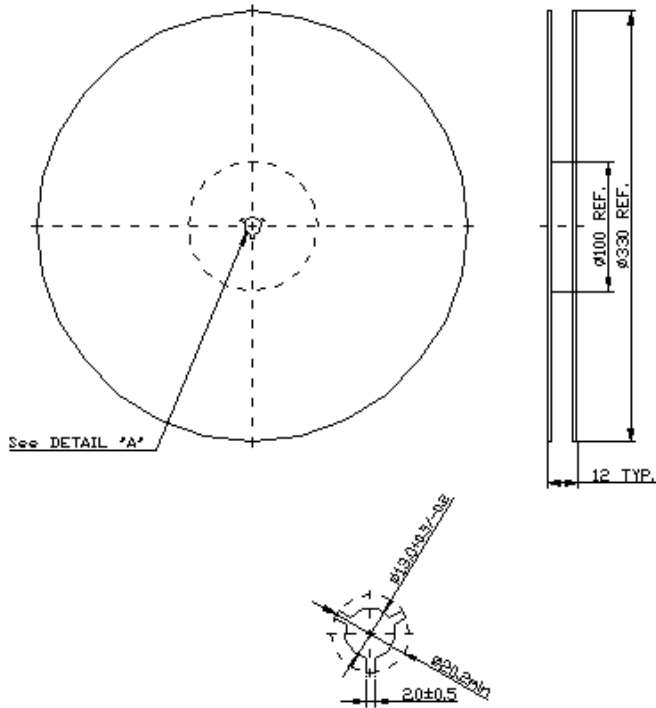
CHI Markers

1:	30.662 Ω	21.023 Ω	1.94000 GHz
2:	51.297 Ω	-26.395 Ω	2.00000 GHz
3:	10.870 Ω	19.824 Ω	1.92000 GHz

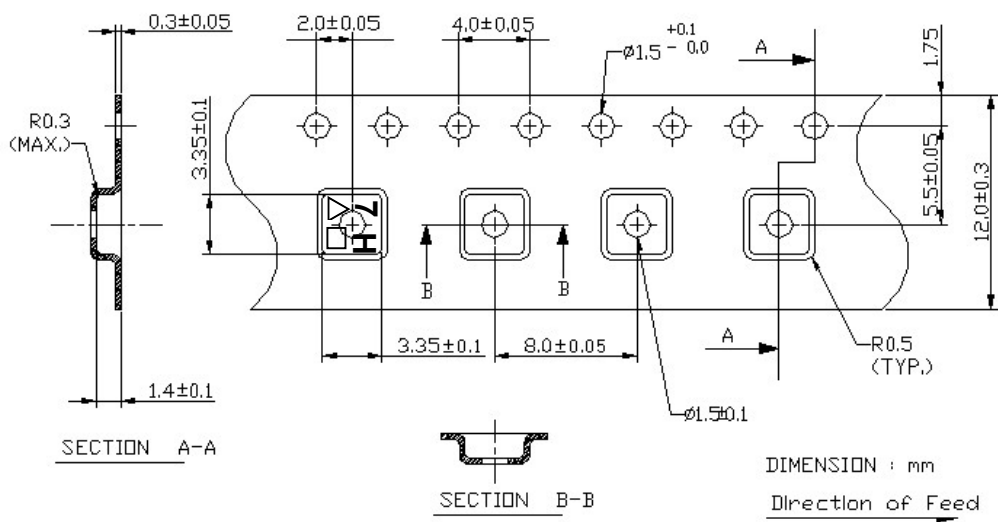
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=1000 ; 13"=3000)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

