



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

Issued Date: August, 3, 2006

Product Name: SAW Filter 1967.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0596A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 8, 3, 2006



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SAW Filter 1967.5MHz

MODEL NO.:TA0596A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

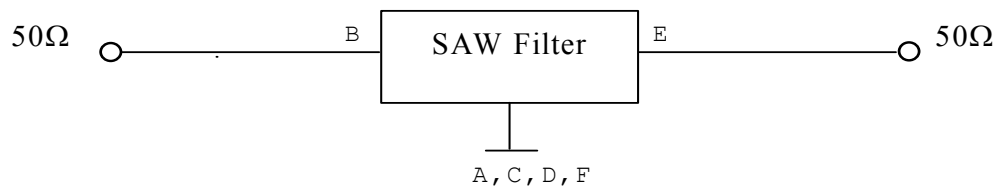
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1967.5	-	-
Insertion Loss (1950 ~ 1985 MHz) IL	dB	-	2.7	4	-
Amplitude Ripple (1950 ~ 1985 MHz)	dB	-	1	2	-
VSWR (1950 ~ 1985 MHz)		-	1.8	2.4	-
Group delay ripple (1950 ~ 1985 MHz)	ns	-	7	16	-
Relative Attenuation (relative to 0 dB)					
D.C. ~ 1795 MHz	dB	33	40	-	-
1795 ~ 1895 MHz	dB	25	41	-	-
2040 ~ 2140 MHz	dB	25	55	-	-
2140 ~ 3245 MHz	dB	31	36	-	-
3245 ~ 4000 MHz	dB	23	28	-	-

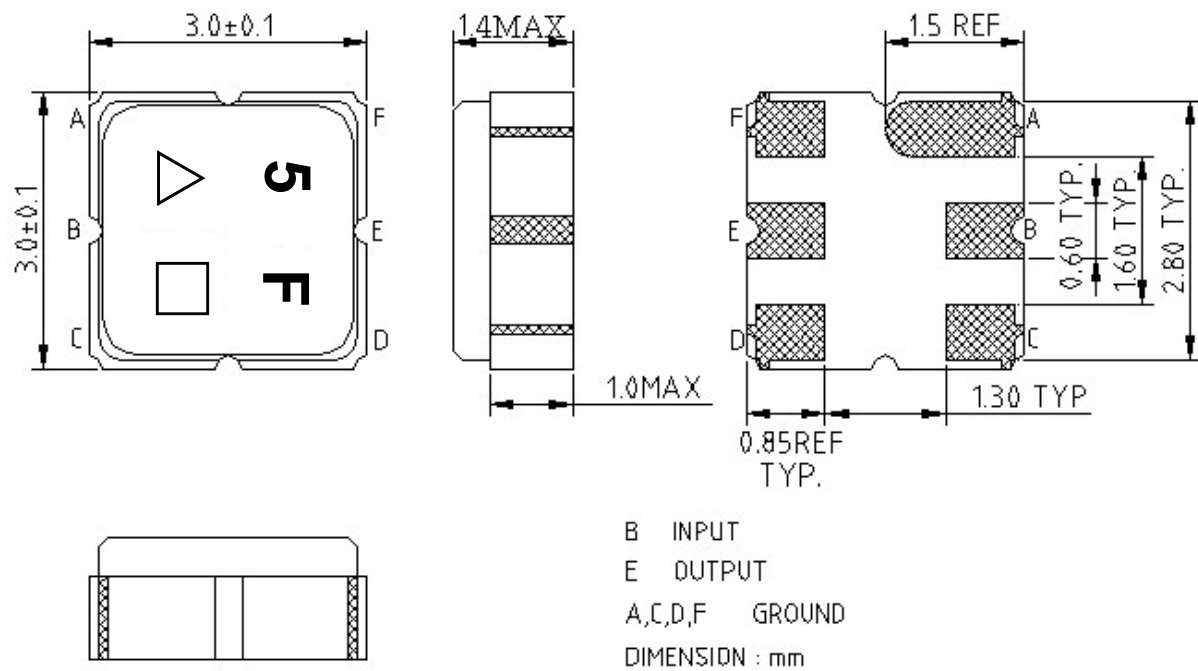
C. MEASUREMENT CIRCUIT:

HP Network analyzer



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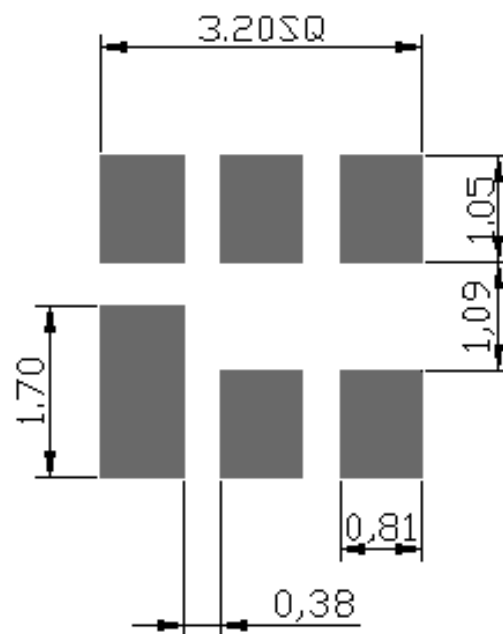
D.OUTLINE DRAWING:



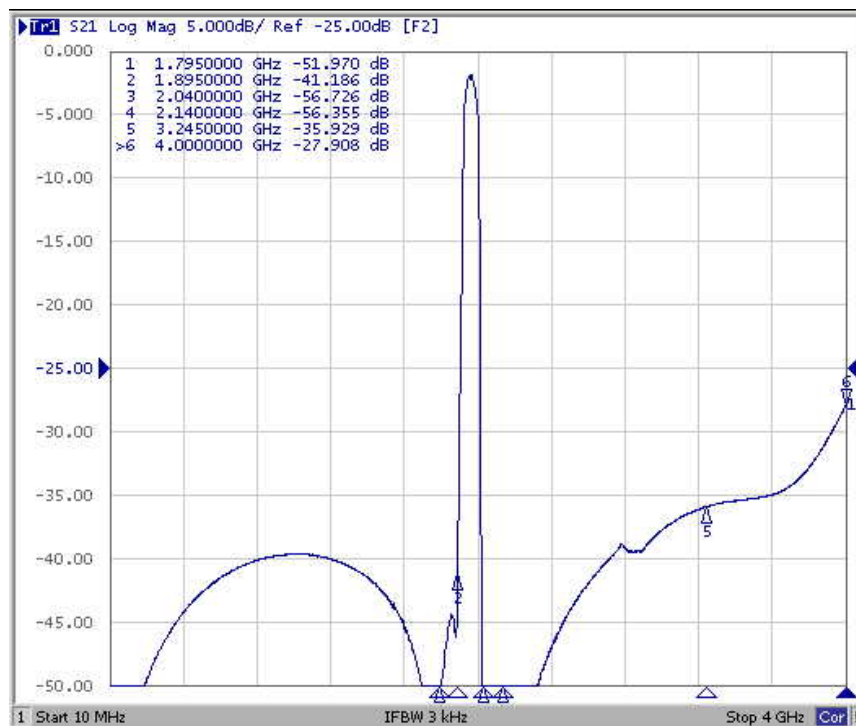
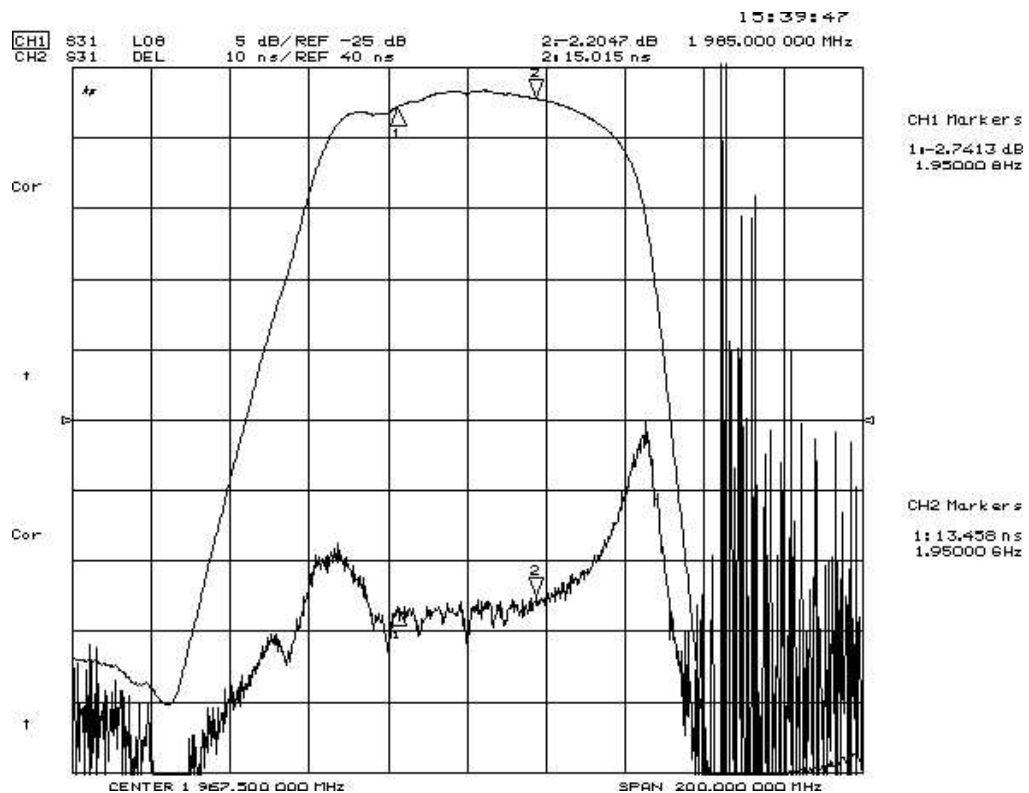
△ : Year Code (2006->6, ..., 2009->9)

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

E. PCB Footprint:

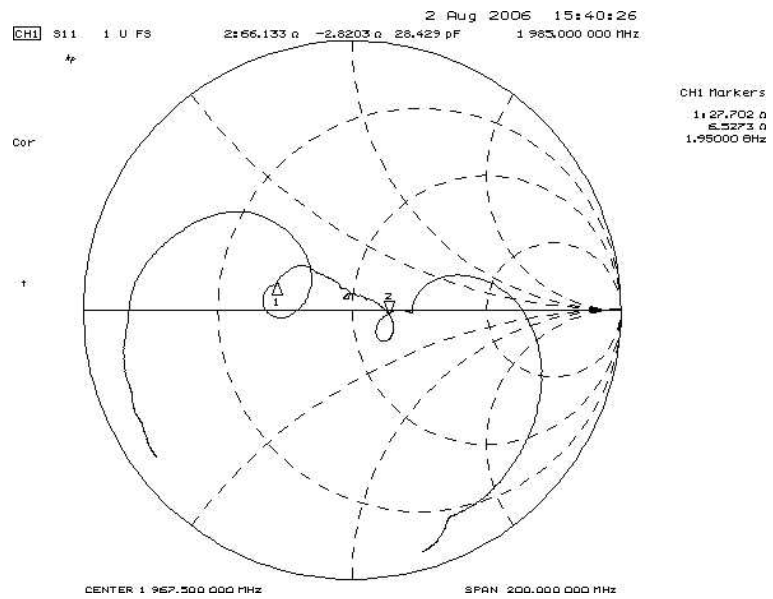
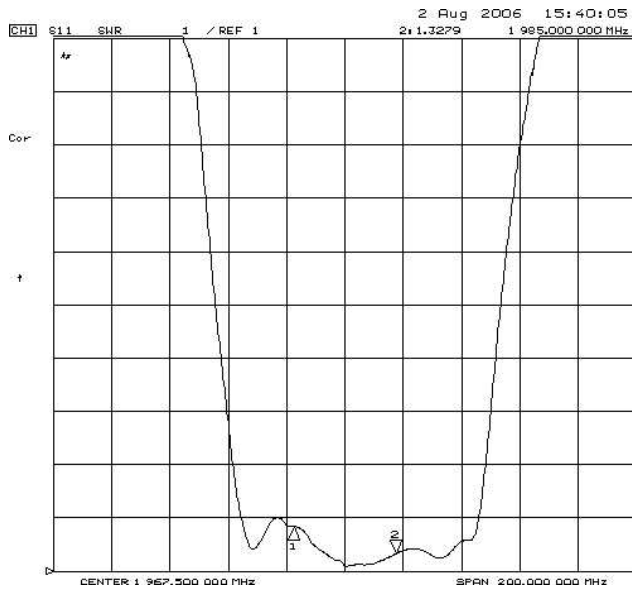


F. Frequency Characteristics :

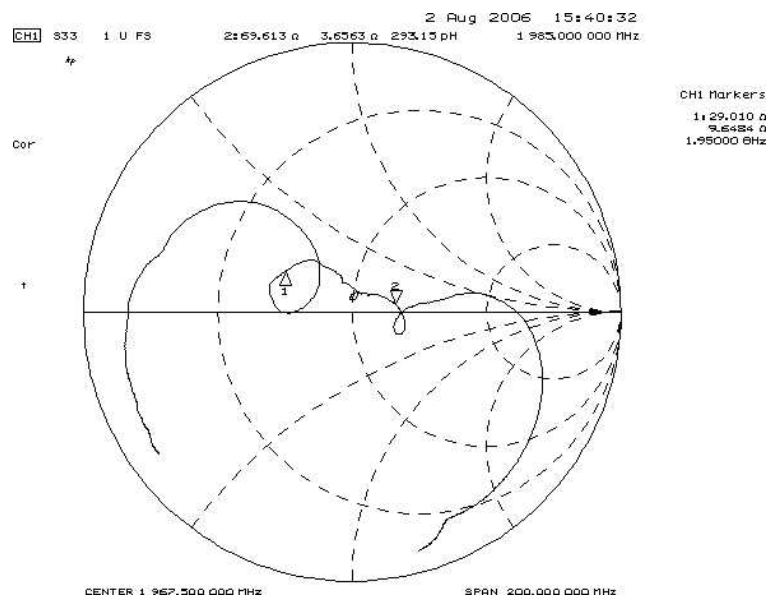
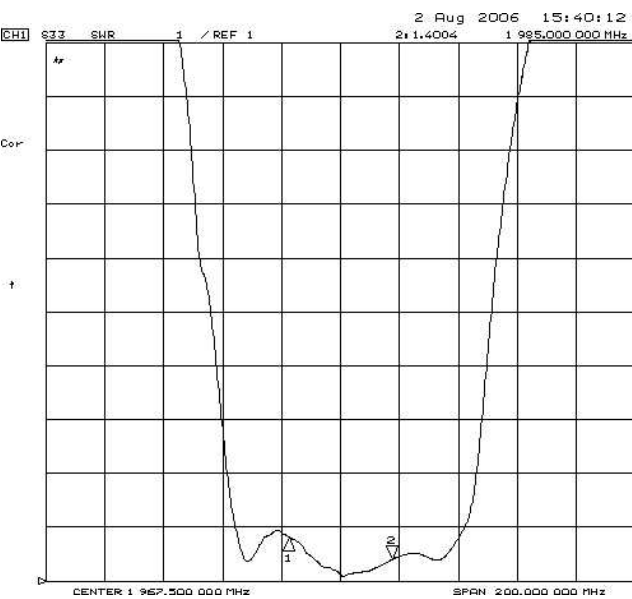


Reflections Functions :

S11 VSWR



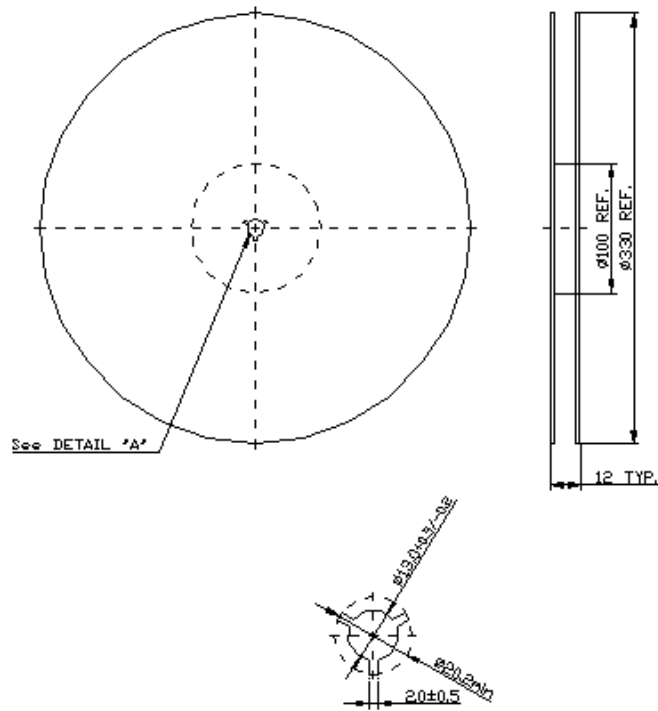
S22 VSWR



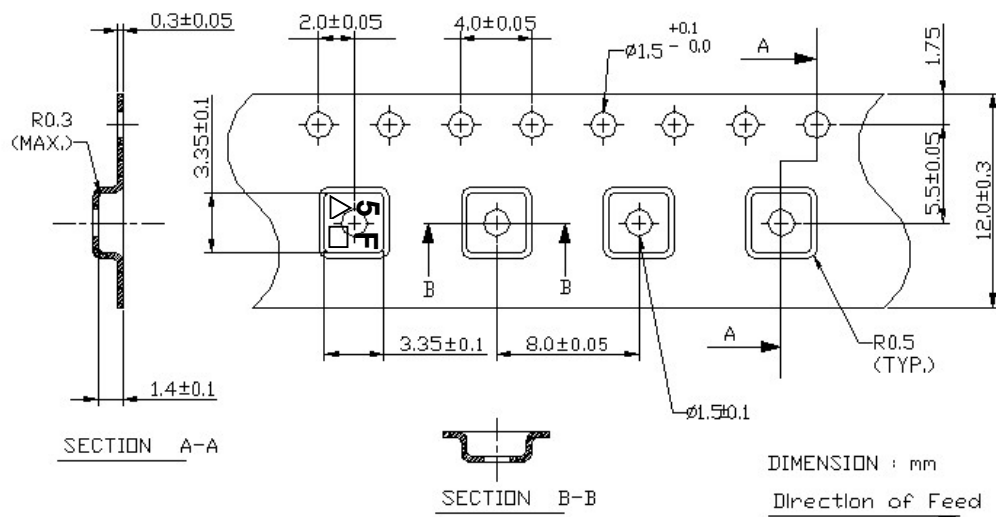
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

