



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date: Feb, 5, 2008

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

TST Parts No.: TA0827A

Customer Parts No.: _____

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

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 2, 5, 2008



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SAW Filter 1970 MHz

MODEL NO.:TA0827A

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

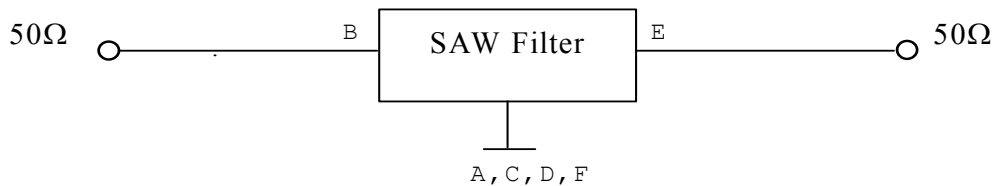
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

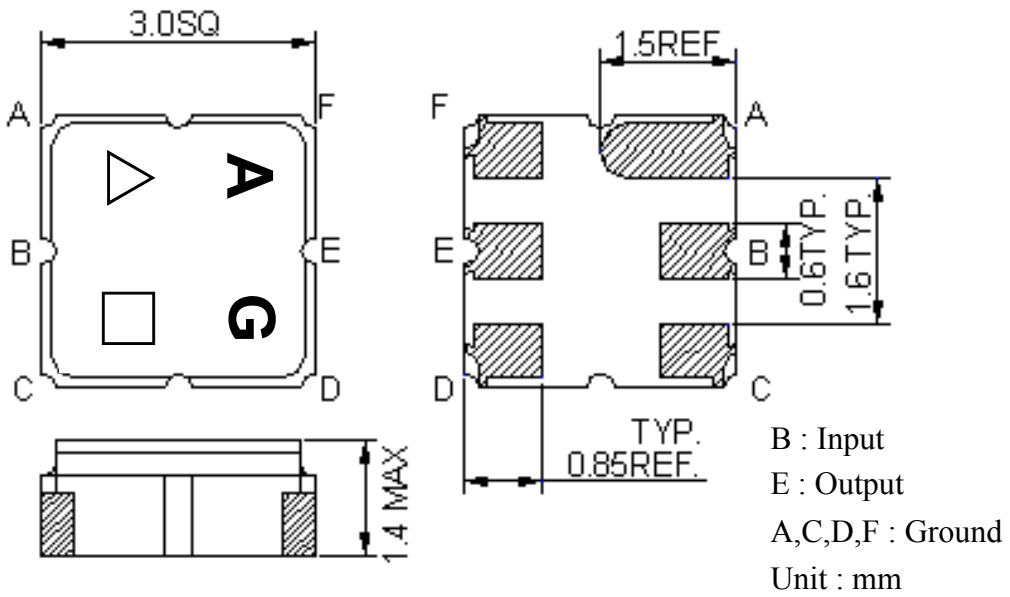
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1970	-	-
Insertion Loss (1960 ~ 1980 MHz) IL	dB	-	1.7	3.5	-
Amplitude Ripple (1960 ~ 1980 MHz)	dB	-	0.4	2	-
VSWR (1960 ~ 1980 MHz)		-	1.3	2.3	-
Attenuation (Reference level from 0 dB)					
D.C ~ 500 MHz	dB	25	38	-	-
500 ~ 1900 MHz	dB	28	35	-	-
2050 ~ 2110 MHz	dB	30	45	-	-
2110 ~ 4000 MHz	dB	22	30	-	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



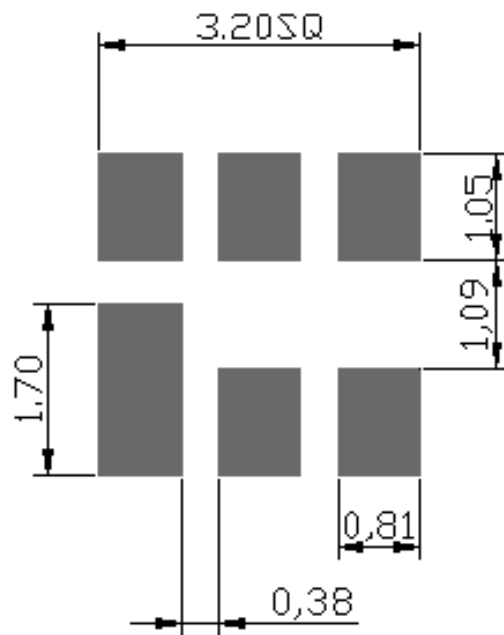
D.OUTLINE DRAWING:



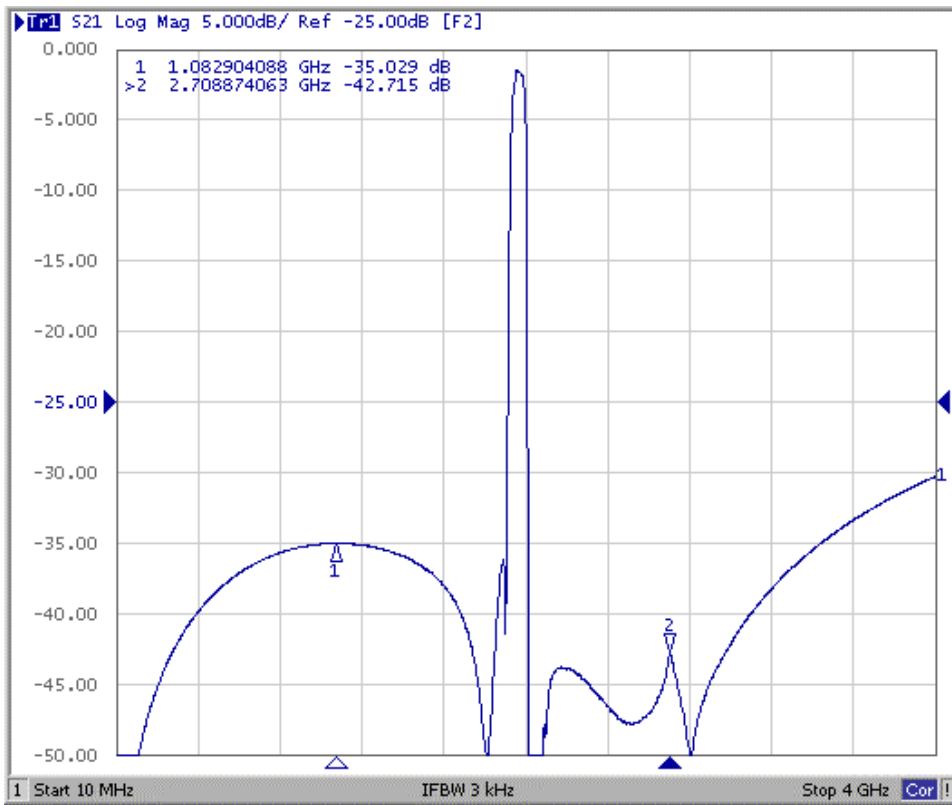
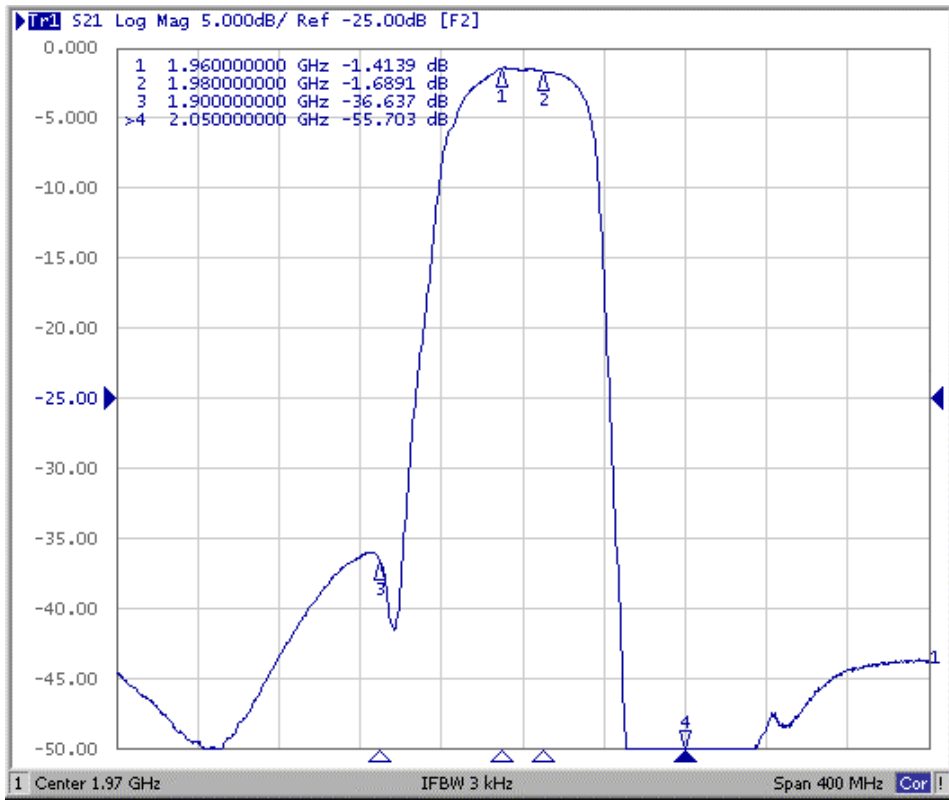
△ : Year Code (2006->6, ..., 2009->9)

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

E. PCB Footprint:

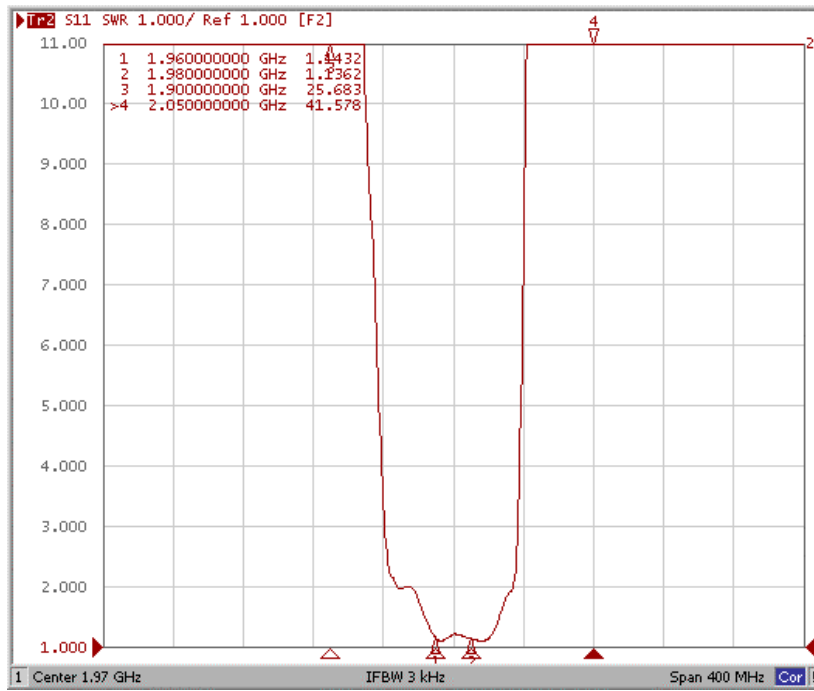


F. Frequency Characteristics :

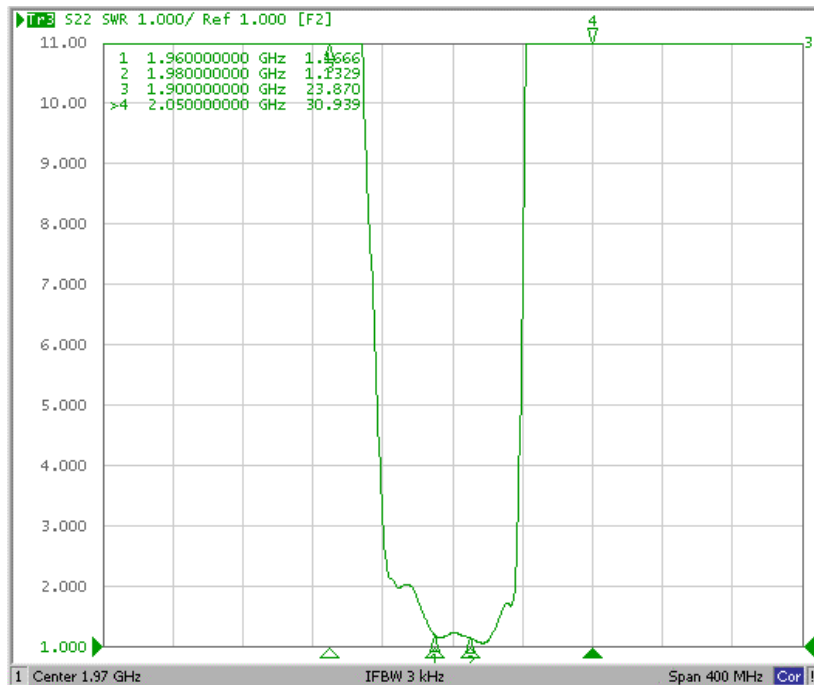


Reflection Functions :

S11



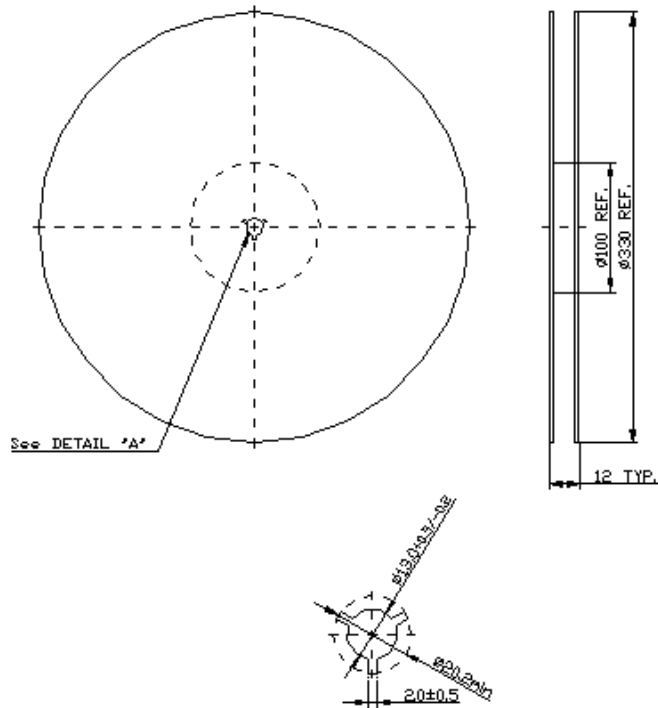
S22



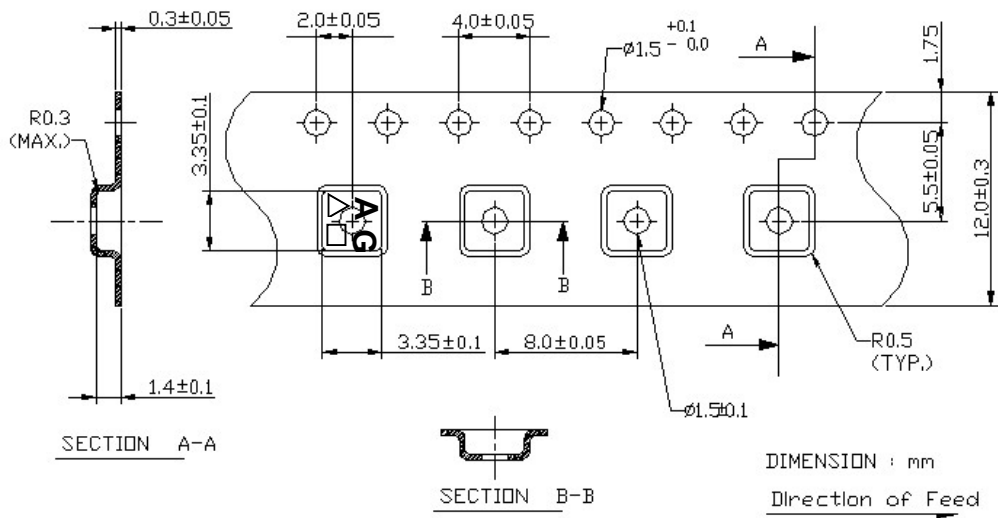
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

