



# 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](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## Approval Sheet For Product Specification

Issued Date: July, 13, 2007

Product Name: SAW Filter 978 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0689A

Customer Parts No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Anne Chen

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 7, 13, 2007



# 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](mailto:tstsales@mail.taisaw.com) Web: [www.taisaw.com](http://www.taisaw.com)

## SAW Filter 978MHz

MODEL NO.:TA0689A

REV. NO.:2

### A. MAXIMUM RATING:

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

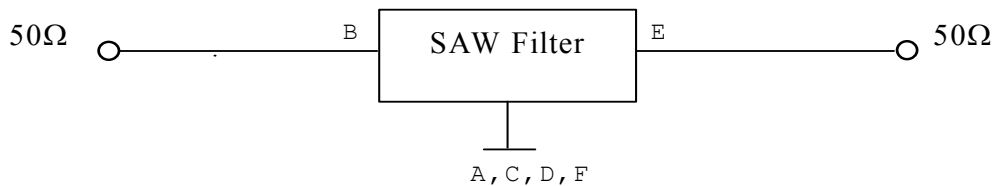
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

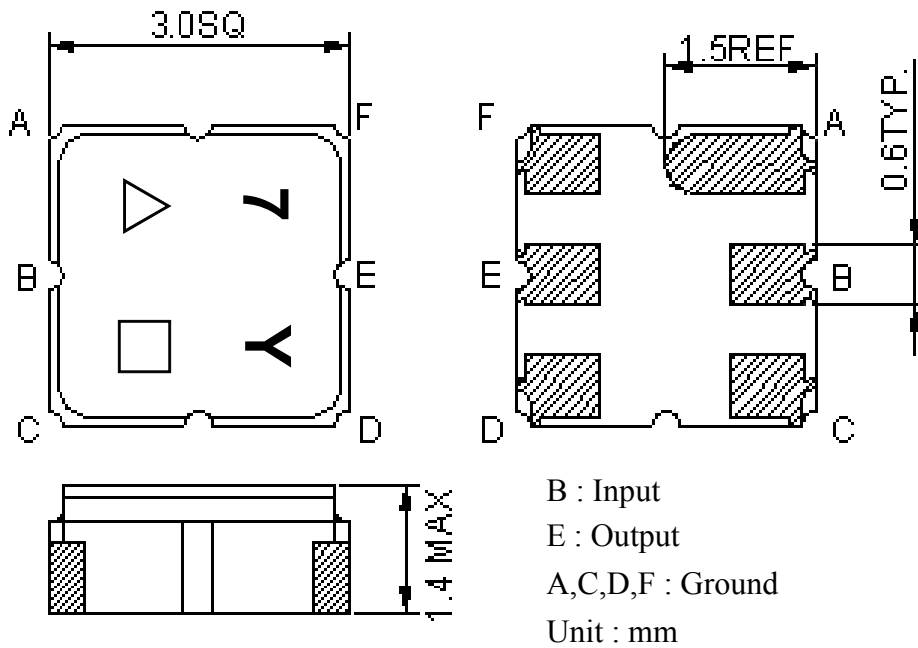
Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	978	-	-
Insertion Loss ( 975.5 ~ 980.5 MHz ) <b>IL</b>	dB	-	3	3.5	-
Amplitude Ripple ( 975.5 ~ 980.5 MHz )	dB	-	0.1	1.2	-
<b>VSWR</b> ( 975.5 ~ 980.5 MHz )		-	1.6	2.4	-
<b>Attenuation</b> (Reference level from 0 dB)					
D.C ~ 950 MHz	dB	40	58	-	-
1000 ~ 1020 MHz	dB	30	38	-	-
1020 ~ 1500 MHz	dB	40	56	-	-
1500 ~ 2000 MHz	dB	30	50	-	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



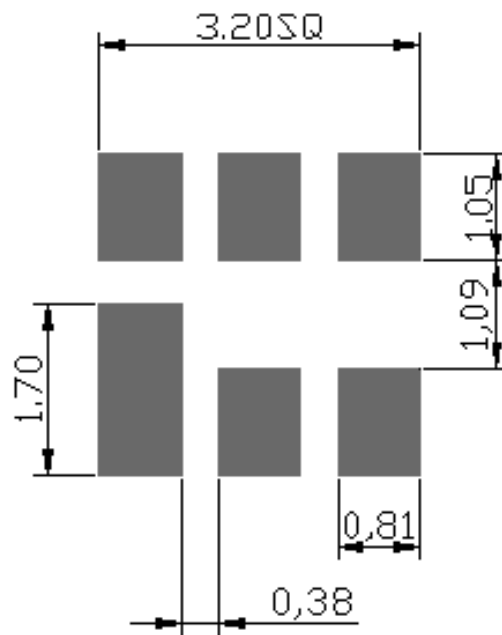
**D.OUTLINE DRAWING:**



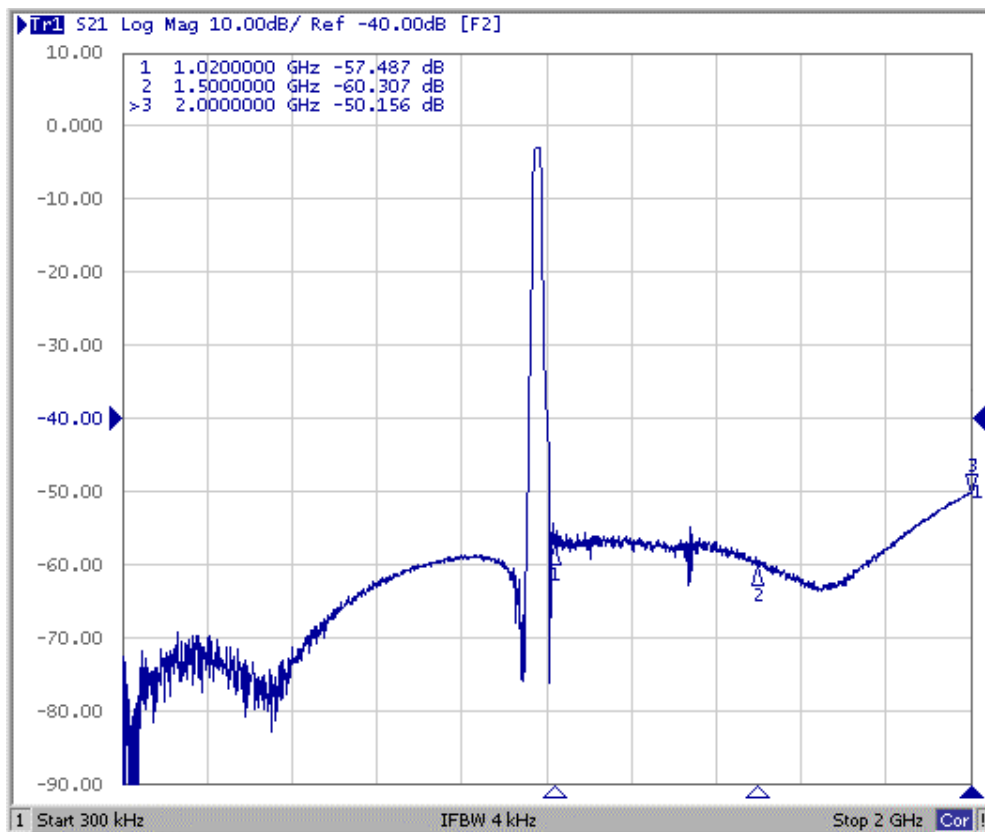
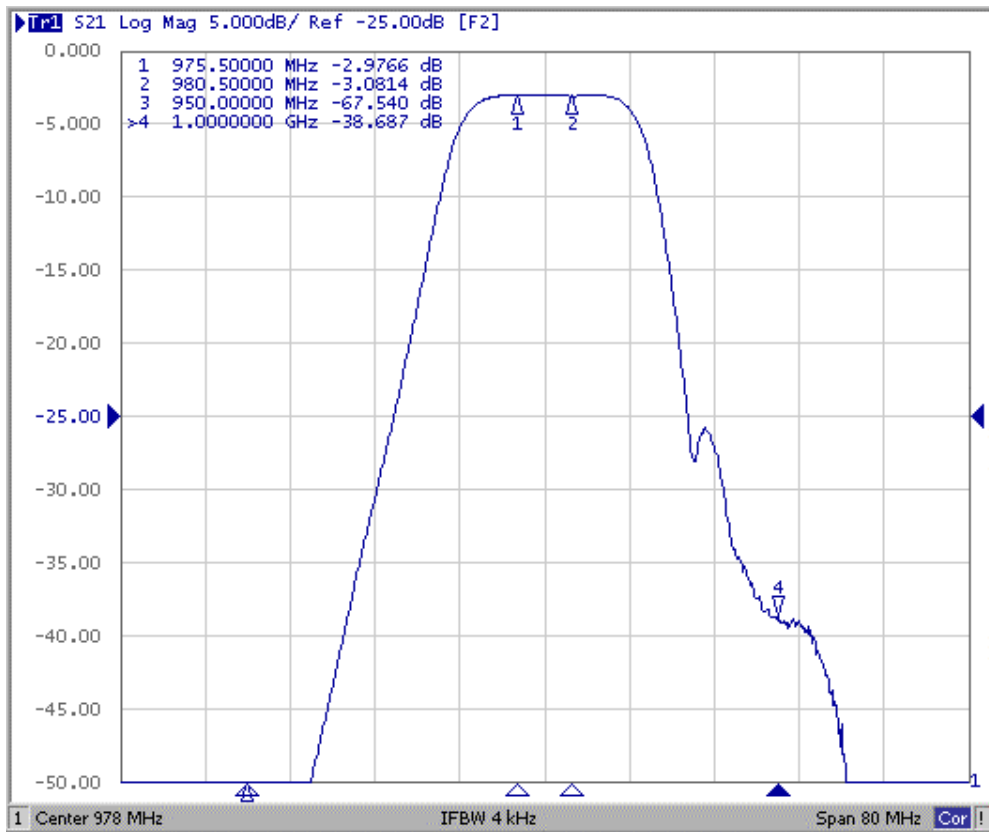
△ : Year Code (2006->6, ..., 2009->9)

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

**E. PCB Footprint:**

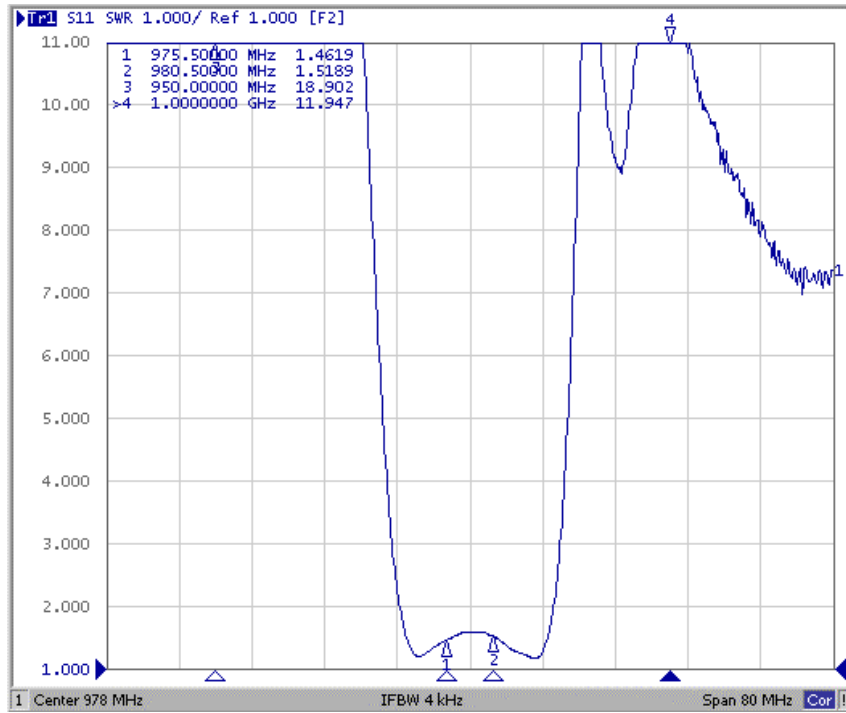


## F. Frequency Characteristics :

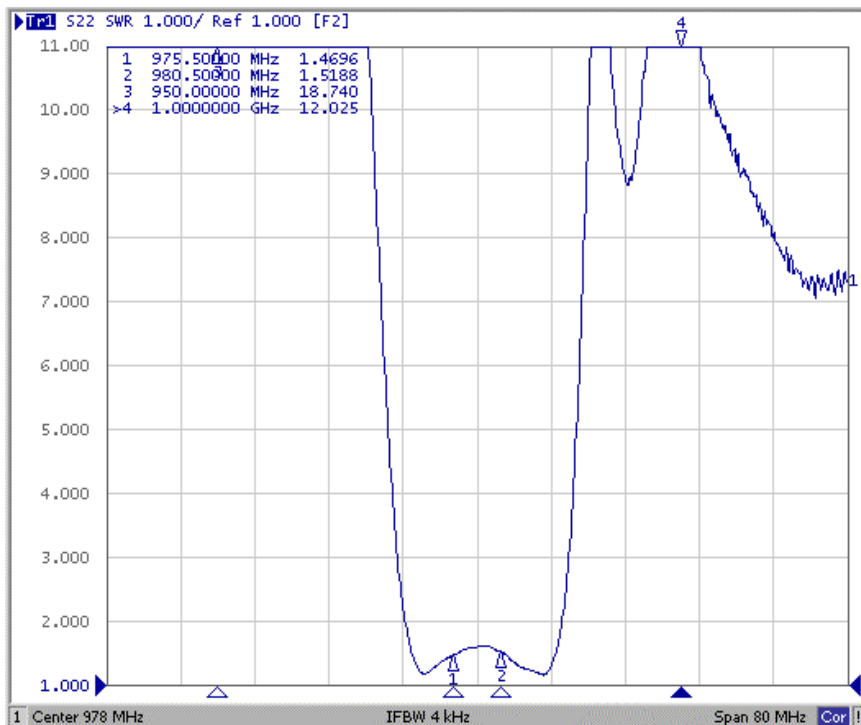


# Reflection Functions :

## S11



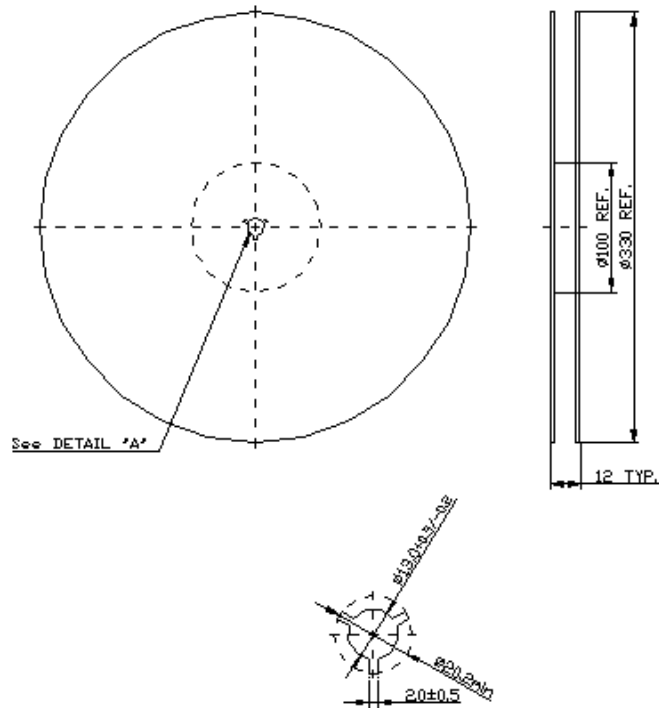
## S22



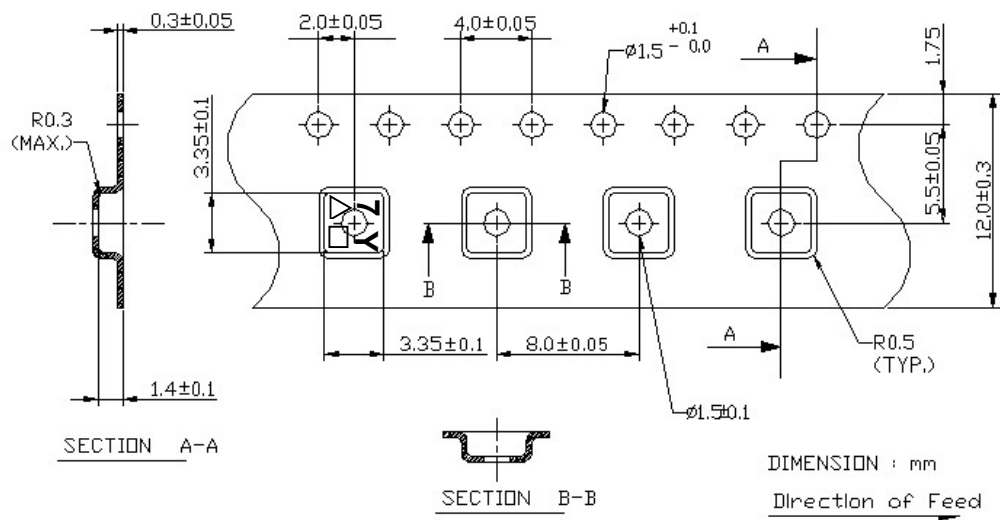
## G. PACKING:

### 1. REEL DIMENSION

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



### 2. TAPE DIMENSION



**H. RECOMMENDED REFLOW PROFILE :**

