



# 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)

## Product Specifications Approval Sheet

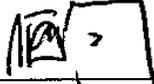
Product Description: SAW Filter 938 MHz SMD 3.0x3.0 mm

TST Part No.: TA1287A

Customer Part No.: \_\_\_\_\_

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ David Chang 張閔智

Approved by: \_\_\_\_\_ Francis Chen 

Date: \_\_\_\_\_ 2010/12/24

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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## SAW Filter 938 MHz

MODEL NO.:TA1287A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 16 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

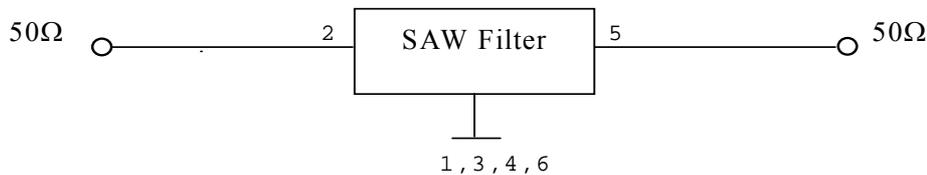
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

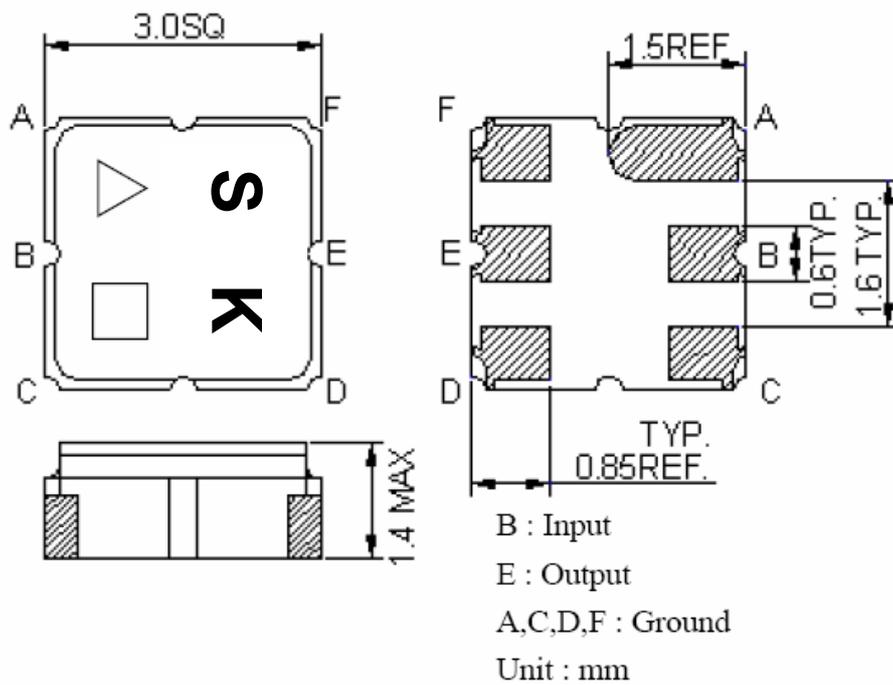
Item	Unit	Min.	Typ.	Max.
<b>Center Frequency</b> <b>Fc</b>	MHz	-	938	-
<b>Insertion loss</b> (935~941MHz)	dB	-	1.55	2.0
<b>Amplitude ripple</b> (935~941MHz)	dB	-	0.4	1.0
<b>VSWR</b> (935~941MHz)	-	-	1.2	1.8
<b>Attenuation</b> (Reference level from 0 dB)				
40 ~ 400 MHz	dB	35	42	-
700 ~ 850 MHz	dB	20	40	-
893 ~ 910 MHz	dB	15	44	-
965 ~ 983 MHz	dB	25	56	-
1076 ~ 1092 MHz	dB	36	44	-
1100 ~ 1600 MHz	dB	36	44	-
1600 ~ 3000 MHz	dB	23	32	-
<b>Temperature coefficient of frequency</b>	ppm/k	-	-36	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



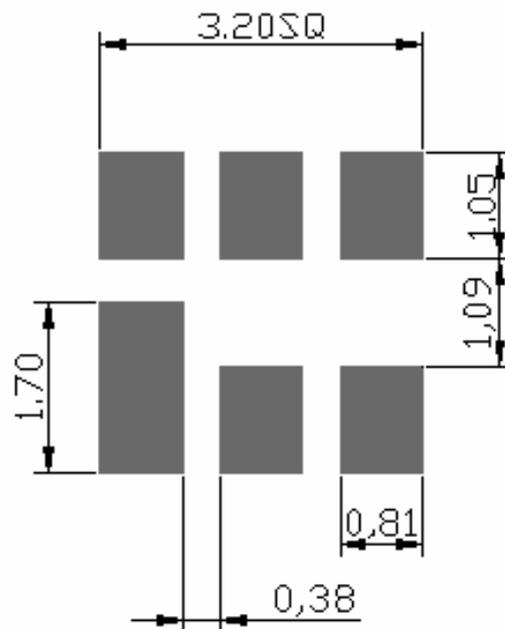
**D. OUTLINE DRAWING:**



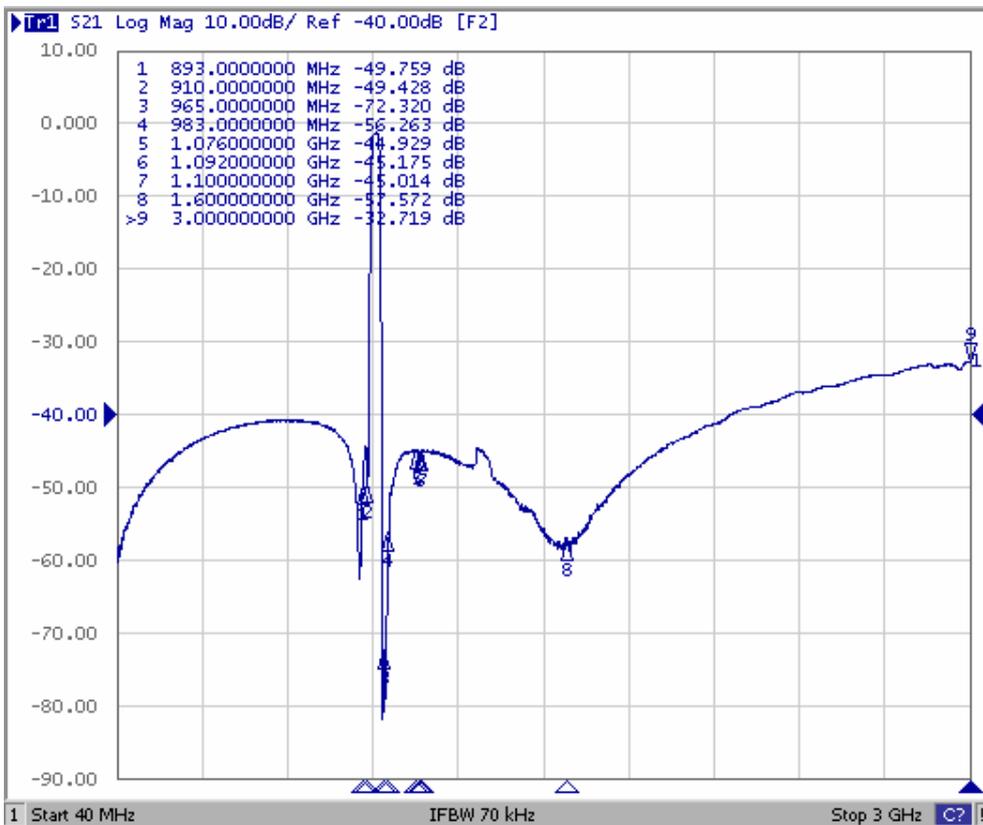
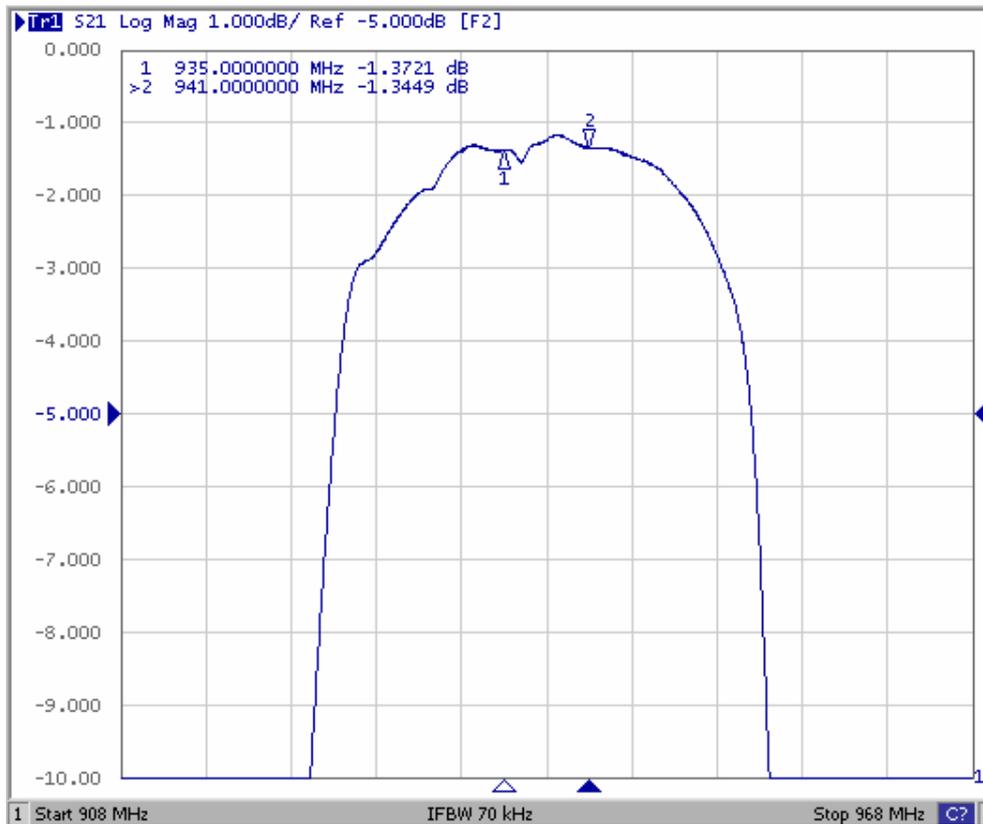
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

**E. PCB Footprint:**

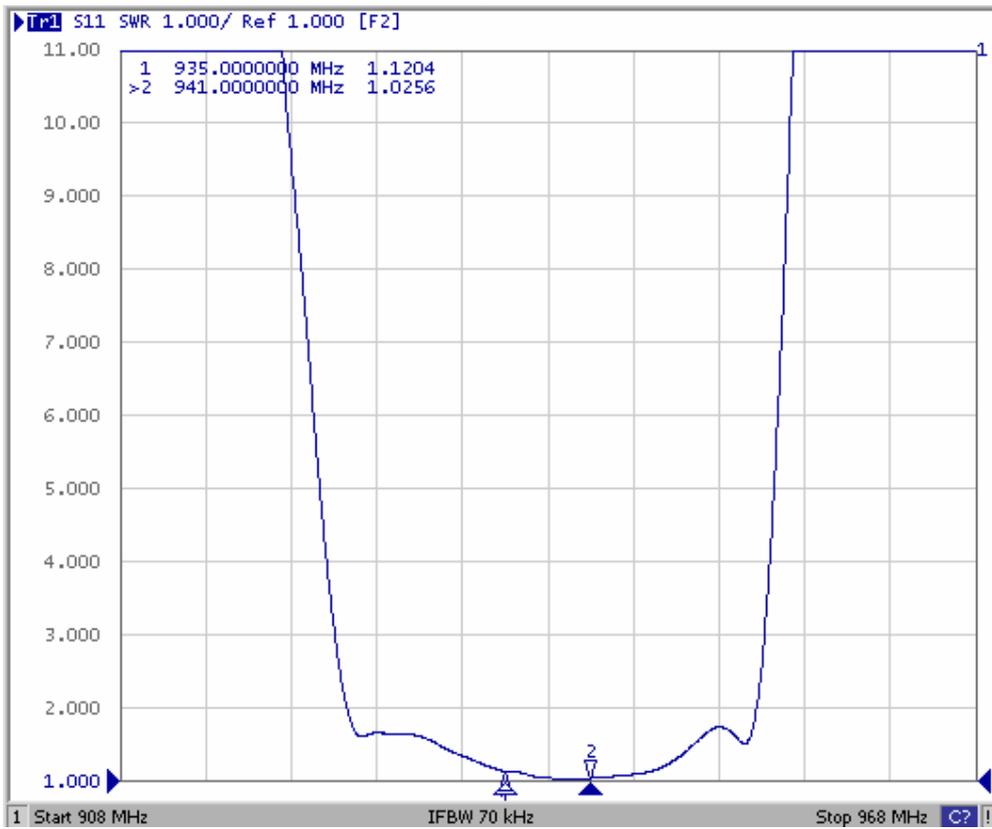


## F. Frequency Characteristics:



# Reflection Functions:

## S11



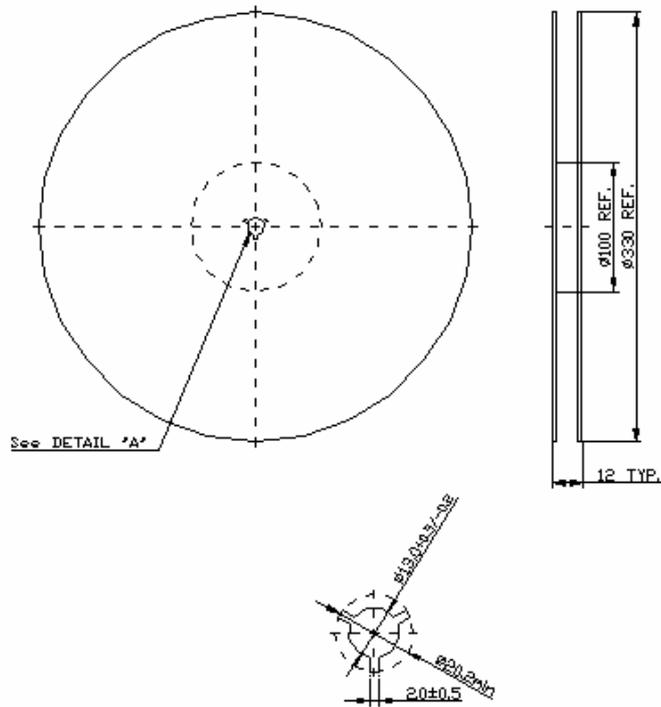
## S22



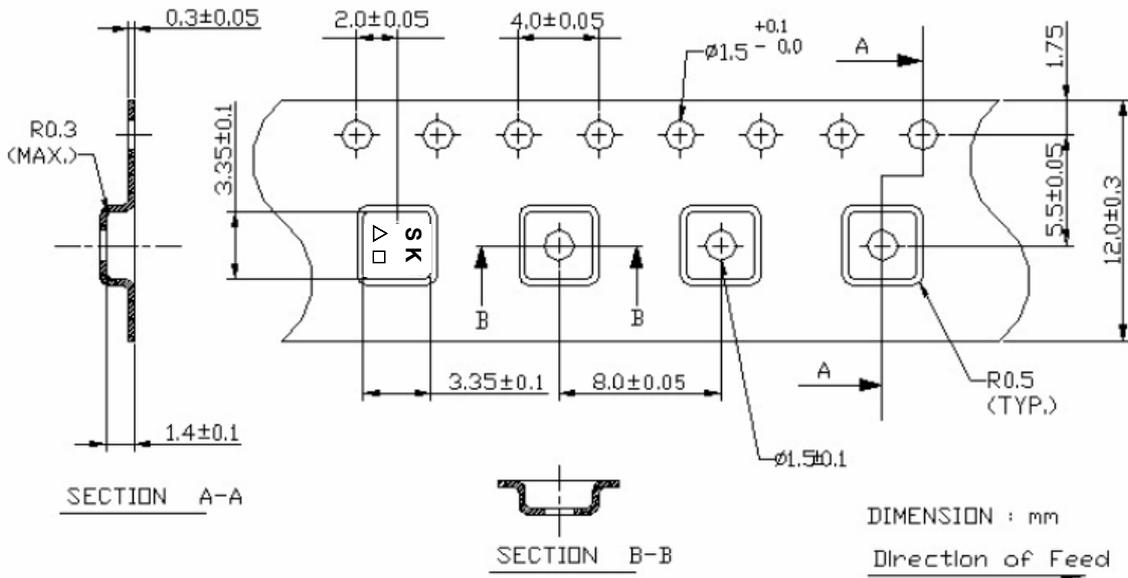
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE:

