



# 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

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## Product Specifications Approval Sheet

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

TST Part No.: TA1286A

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

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

Checked by: \_\_\_\_\_ David Chang 張聞智

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

Date: \_\_\_\_\_ 2010/12/14

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.:TA1286A

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

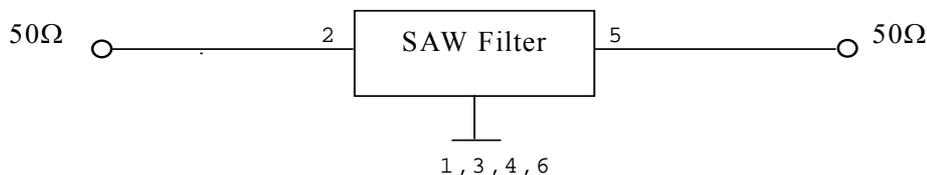
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

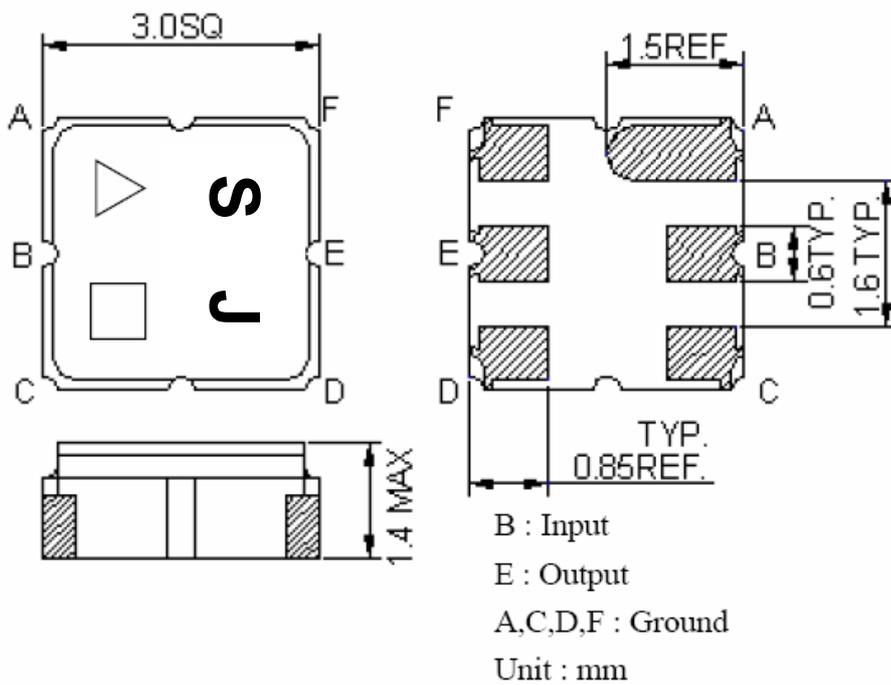
Item	Unit	Min.	Typ.	Max.
<b>Center Frequency</b> <b>Fc</b>	MHz	-	938	-
<b>Insertion loss</b> (935~941MHz)	dB	-	2.5	3.7
<b>Amplitude ripple</b> (935~941MHz)	dB	-	0.2	1.4
<b>VSWR</b> (935~941MHz)	-	-	1.5	2.2
<b>Attenuation</b> (Reference level from 0 dB)				
40 ~ 400 MHz	dB	40	63	-
700 ~ 850 MHz	dB	20	52	-
893 ~ 910 MHz	dB	15	50	-
965 ~ 983 MHz	dB	25	49	-
1076 ~ 1092 MHz	dB	45	51	-
1100 ~ 1600 MHz	dB	45	48	-
1600 ~ 3000 MHz	dB	30	33	-
<b>Temperature coefficient of frequency</b>	ppm/k	-	-36	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



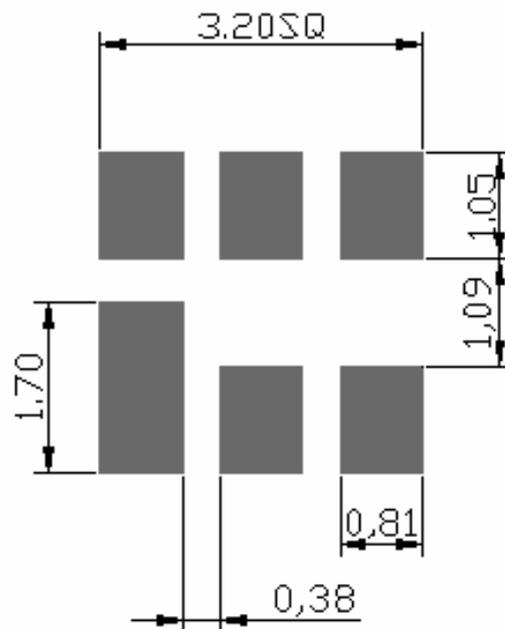
**D. OUTLINE DRAWING:**



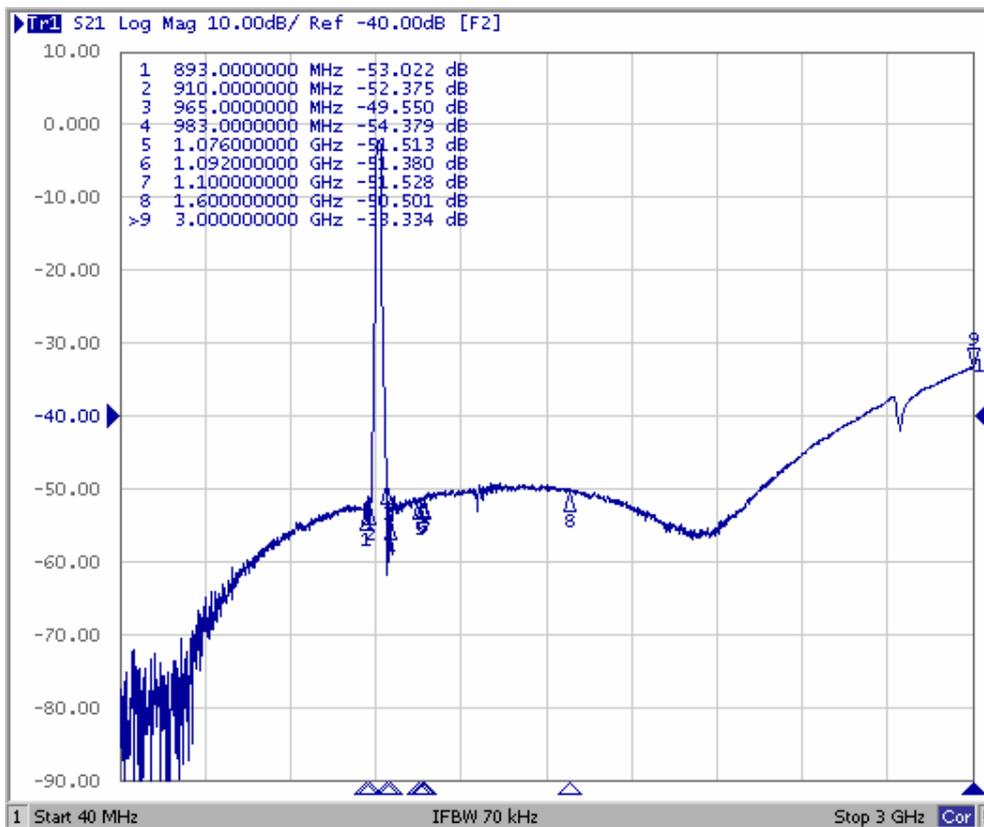
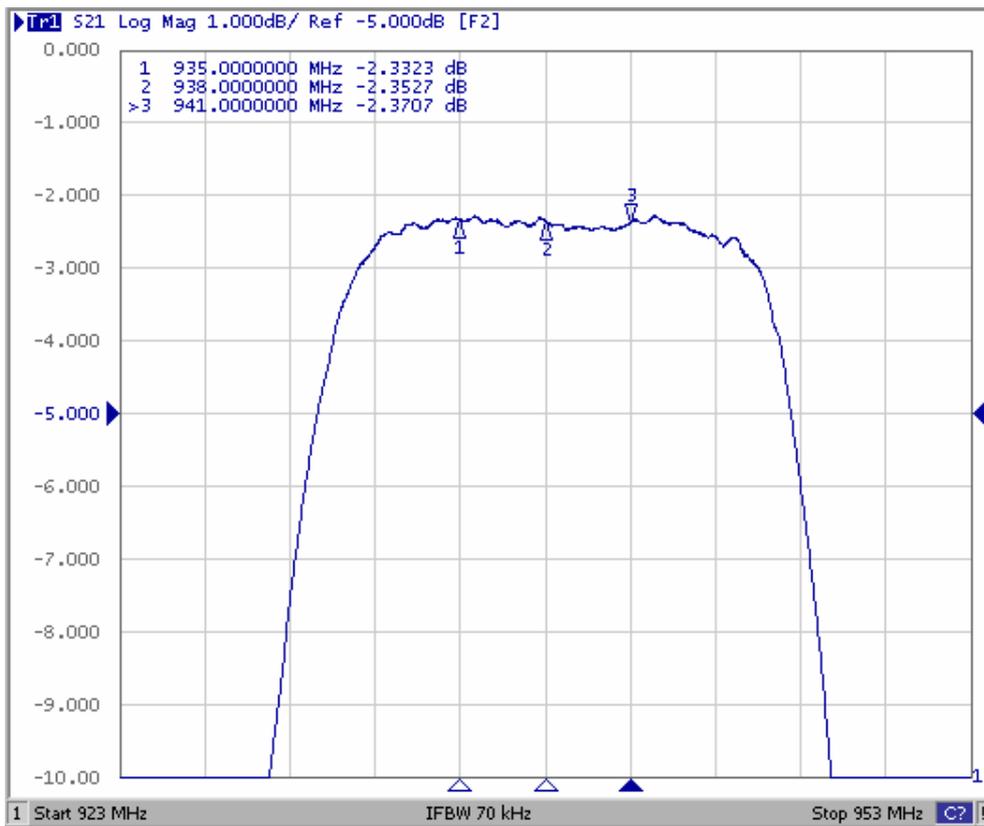
△ : Year Code (2006->6, ..., 2009->9)

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

**E. PCB Footprint:**

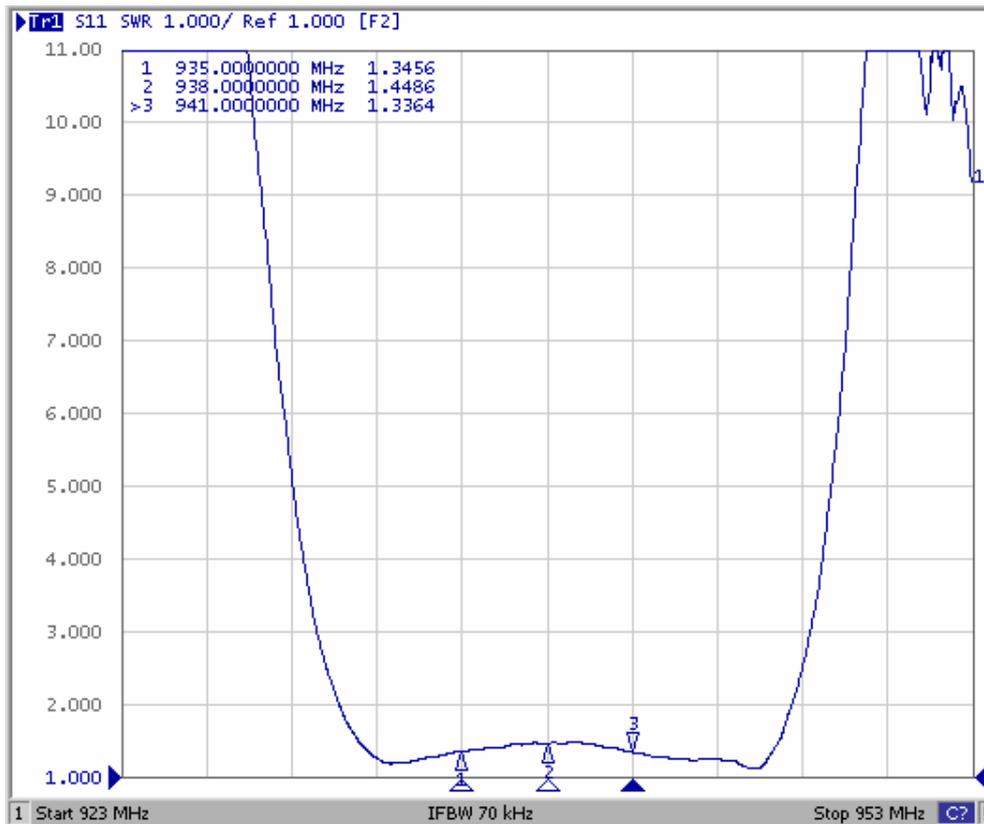


## F. Frequency Characteristics:

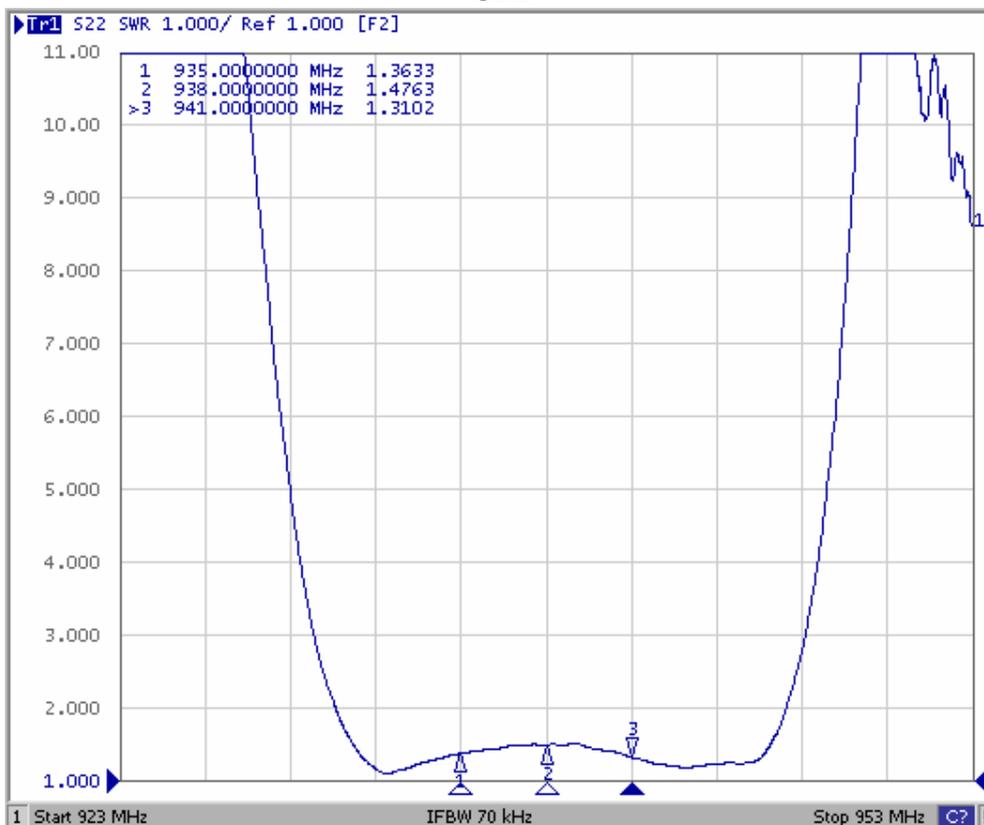


## Reflection Functions:

### S11



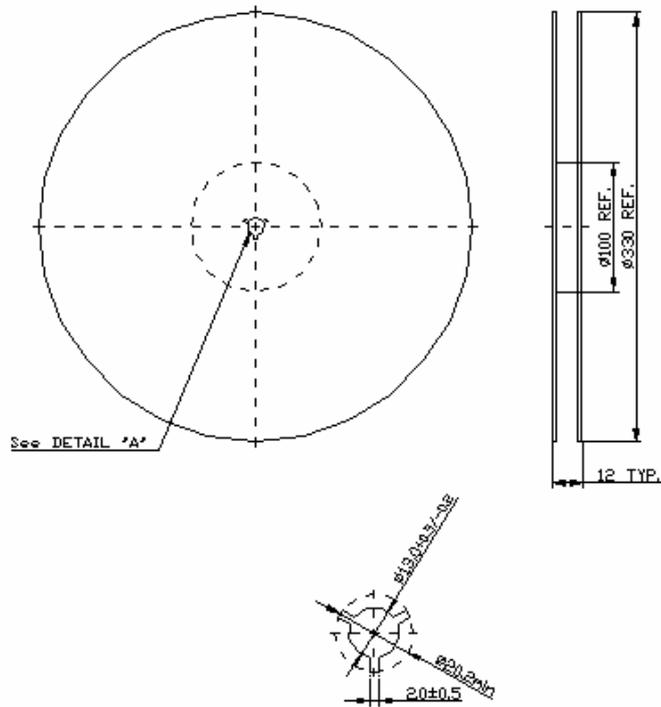
### S22



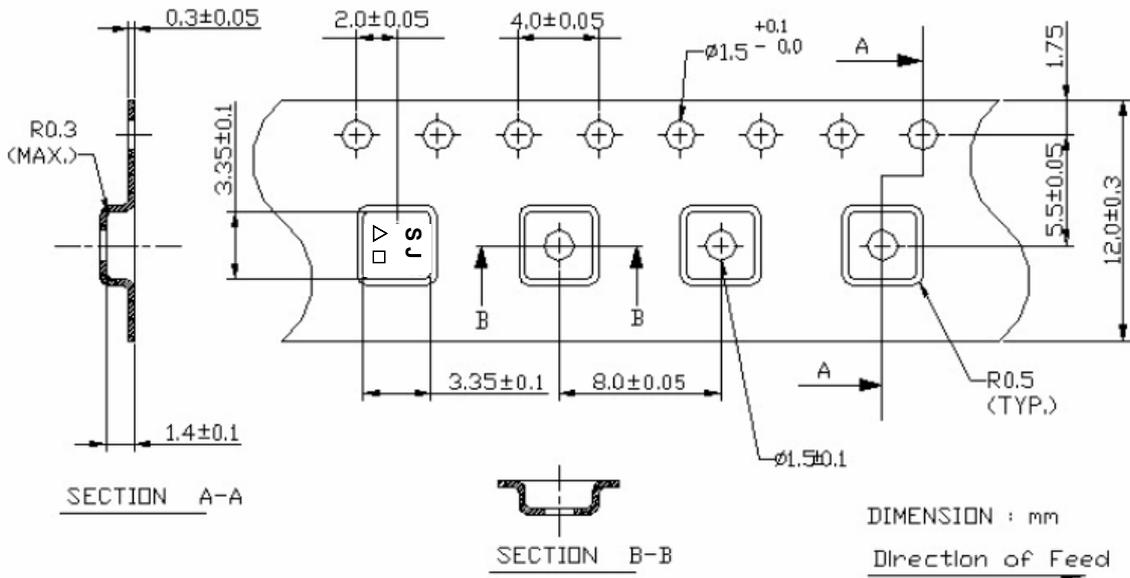
**G. PACKING:**

**1. REEL DIMENSION**

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



**2. TAPE DIMENSION**



**H. RECOMMENDED REFLOW PROFILE:**

