



# 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

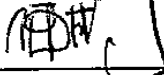
Product Description: SAW Filter 947.5 MHz SMD 3.0X3.0 mm

TST Part No.: TA0991A

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

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

Checked by: \_\_\_\_\_ Bob Chau 

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

Date: \_\_\_\_\_ 5, 11, 2009

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 947.5 MHz

MODEL NO.:TA0991A

REV. NO.:1

### A. MAXIMUM RATING:

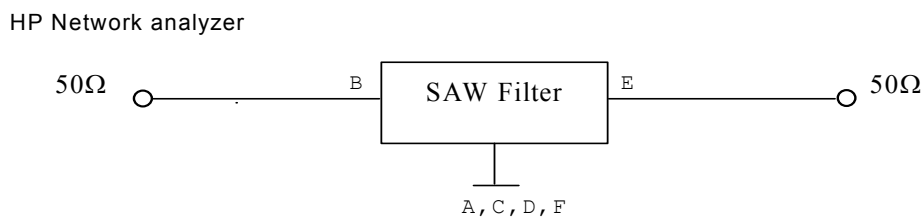
1. Input Power Level: +20 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

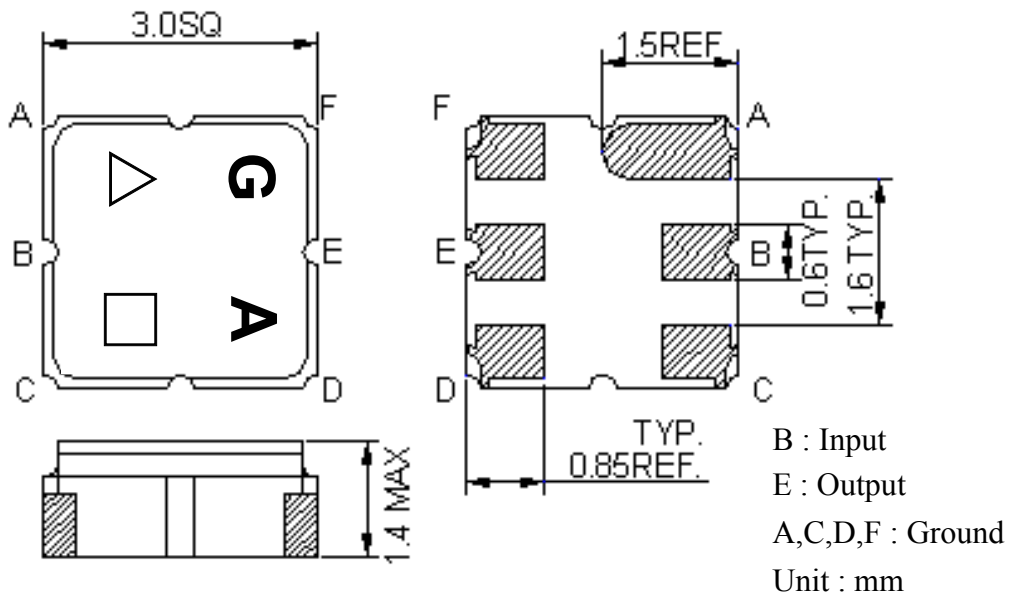
### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
<b>Center Frequency</b> <b>Fc</b>	MHz	-	947.5	-	-
<b>Insertion Loss</b> (935~960 MHz) <b>IL</b>	dB	-	2.45	3.3	-
<b>Amplitude Ripple</b> (935~960 MHz)	dB	-	0.5	1.3	-
<b>VSWR</b> (935~960 MHz)		-	1.7	2.2	-
<b>Attenuation</b> (Reference level from 0 dB)					
DC ~ 871 MHz	dB	50	54	-	-
890 ~ 915 MHz	dB	30	47	-	-
980 ~ 1025 MHz	dB	10	25	-	-
1025 ~ 2000 MHz	dB	45	52	-	-
2000 ~ 3000 MHz	dB	20	31	-	-

### C. MEASUREMENT CIRCUIT:



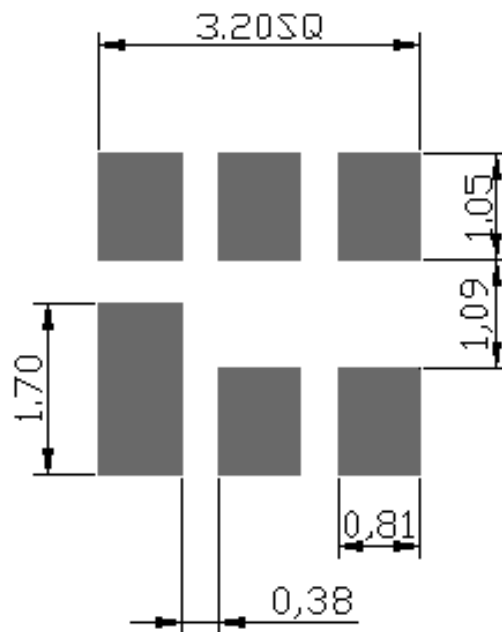
**D.OUTLINE DRAWING:**



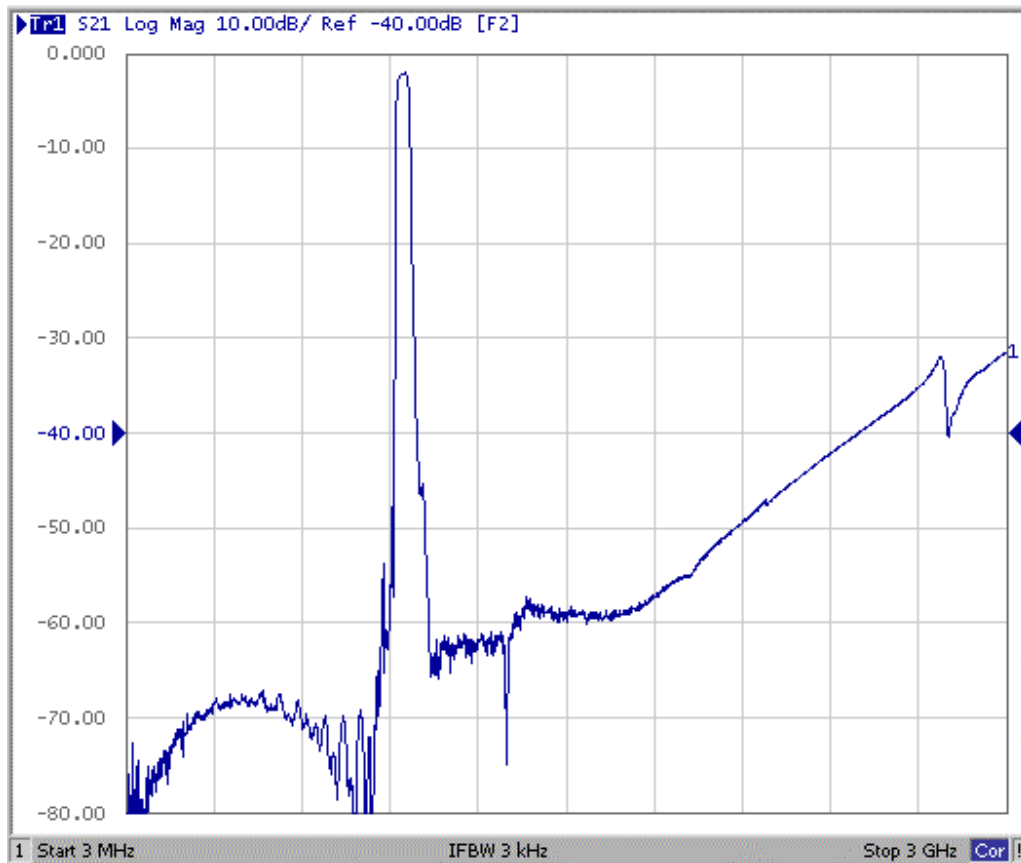
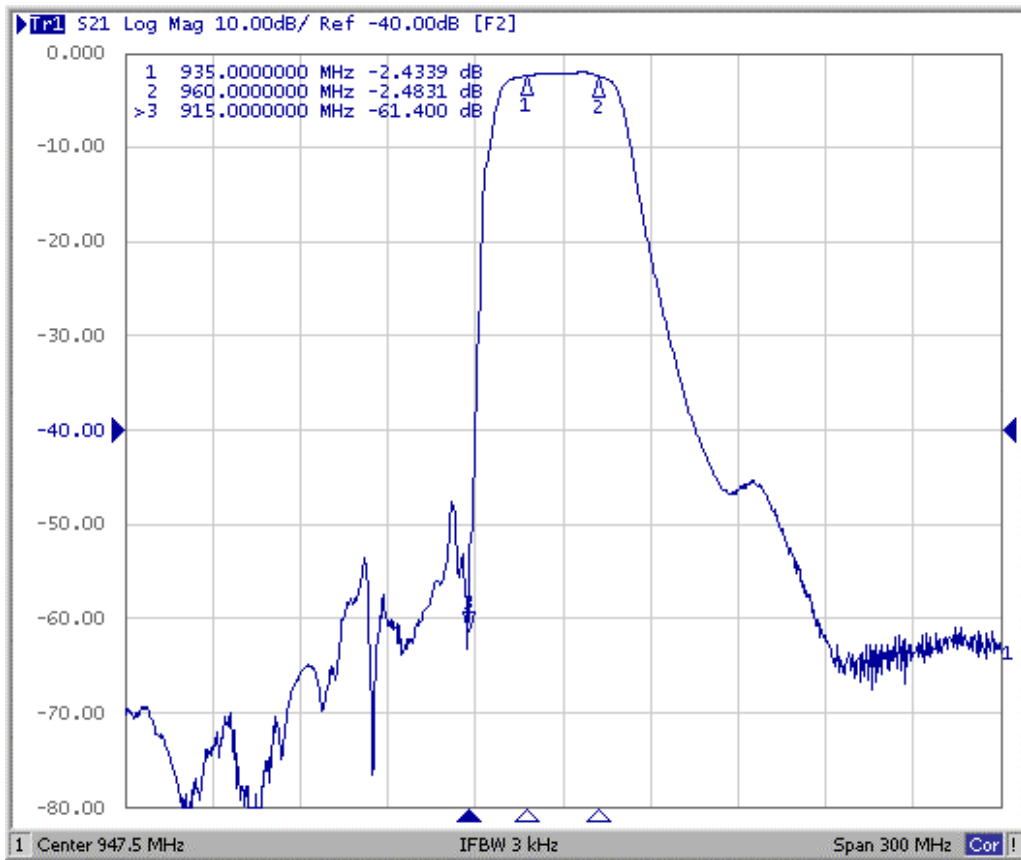
△ : Year Code (2006->6, ..., 2009->9)

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

**E. PCB Footprint:**

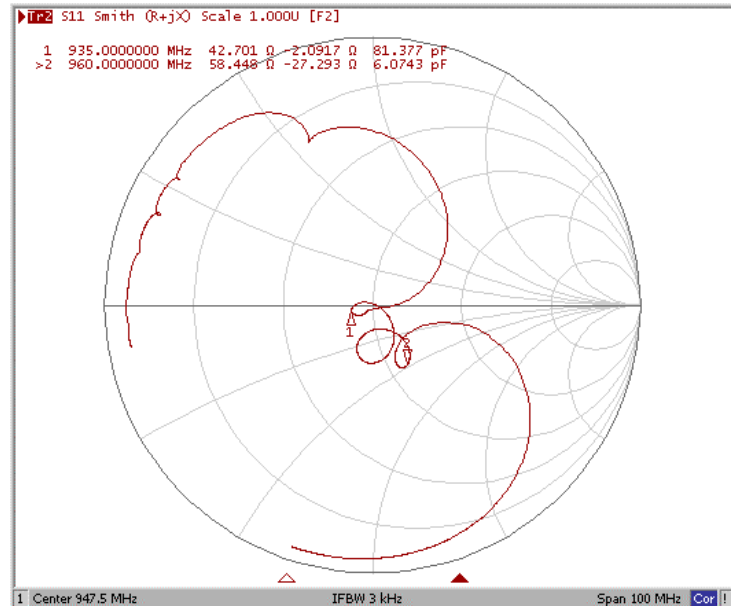
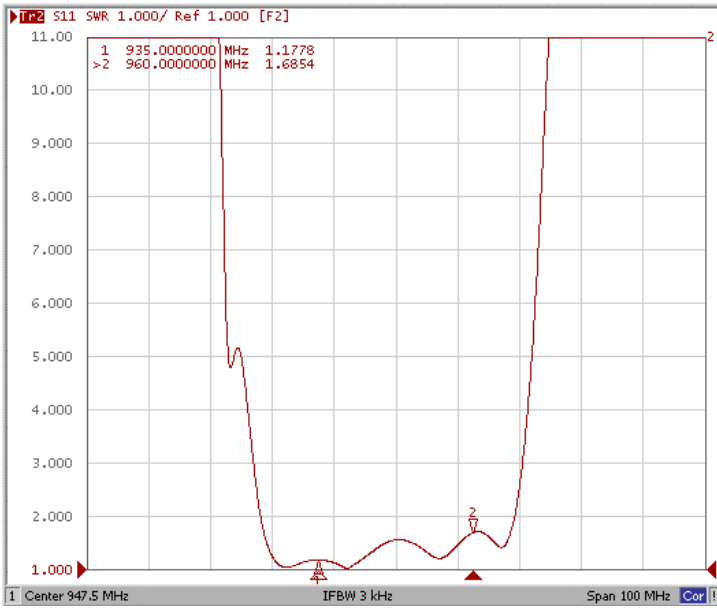


## F. Frequency Characteristics :

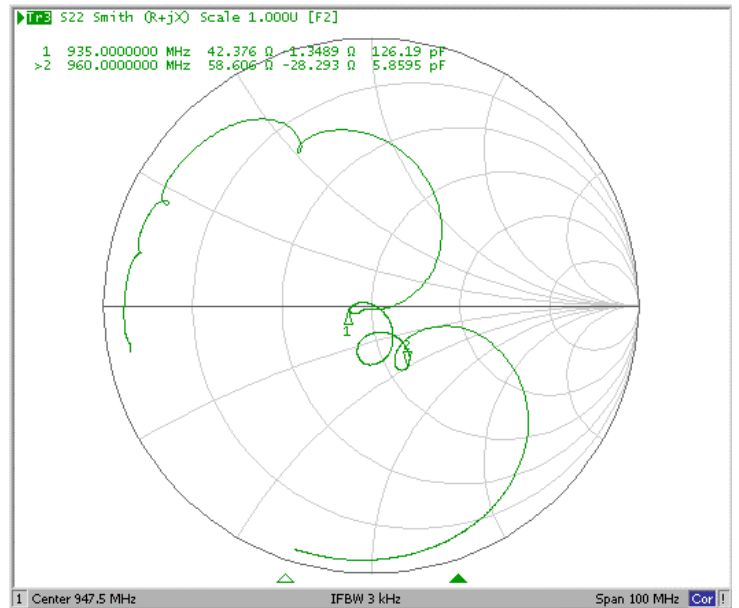
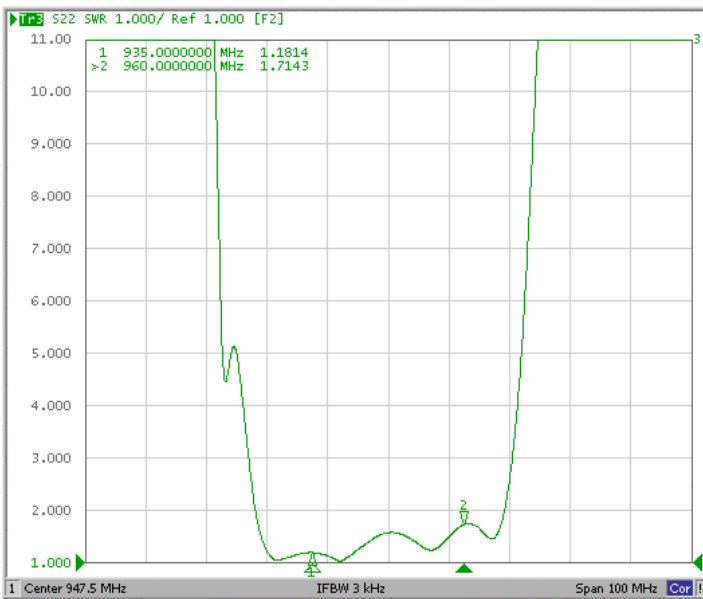


# Reflection Functions :

## S11



## S22



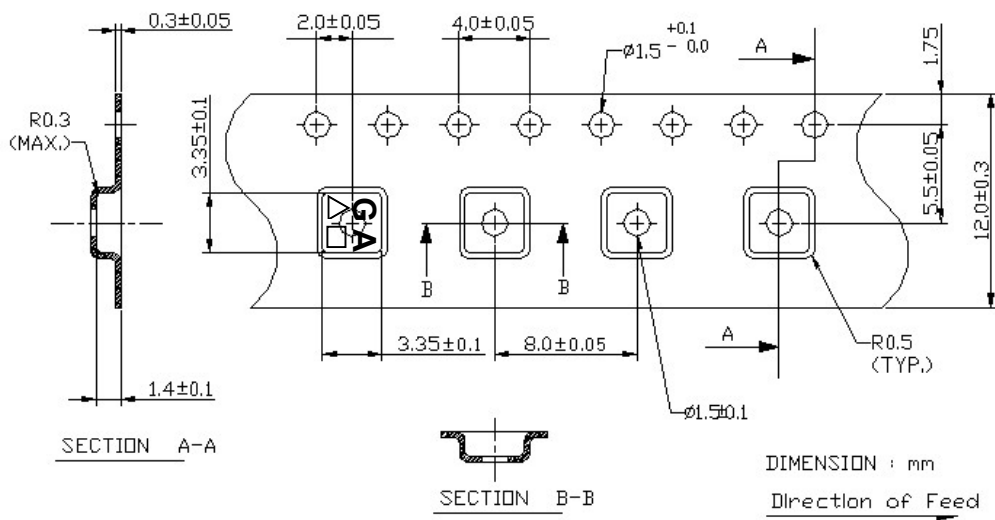
**G. PACKING:**

**1. REEL DIMENSION**

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



**2.TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE :

