



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 881.5MHz

TST Parts No.:TA0233A

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

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

Checked by: \_\_\_\_\_ Elvis Chiu

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

Date: \_\_\_\_\_ 2002/07/25



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## SAW Filter 881.5 MHz

MODEL NO.: TA0233A

REV. NO.:3

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 0 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

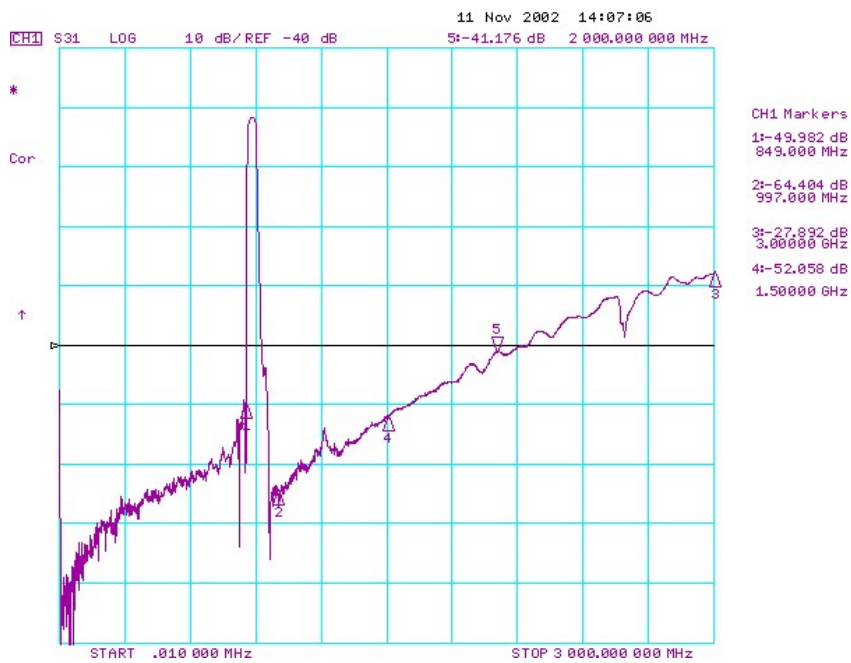
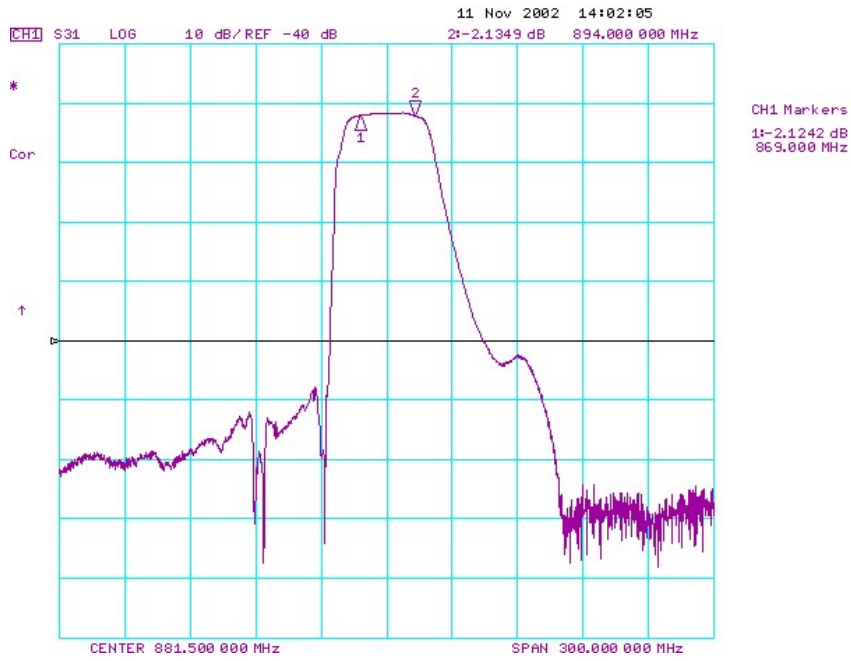
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typical	Max.
<b>Center frequency</b>	<b>Fc</b> MHz	-	881.5	-
<b>Insertion loss</b>	869 ~ 894 MHz <b>IL</b> (dB)	-	2.3	3.0
<b>Amplitude ripple</b>	869 ~ 894 MHz (dB)	-	0.8	1.5
<b>Attenuation</b> (Reference level from 0 dB)				
D.C. ~ 824 MHz	(dB)	40	50	-
824 ~ 849 MHz	(dB)	35	47	-
970 ~ 997 MHz	(dB)	35	64	-
997 ~ 1150 MHz	(dB)	40	60	-
1150 ~ 1500 MHz	(dB)	30	51	-
1500 ~ 2000 MHz	(dB)	25	41	-
2000 ~ 3000 MHz	(dB)	20	27	-
<b>VSWR</b>	869 ~894 MHz	-	1.6	2.0
<b>Source impedance</b>	Z <sub>s</sub> (Ω)	-	50	-
<b>Load impedance</b>	Z <sub>L</sub> (Ω)	-	50	-

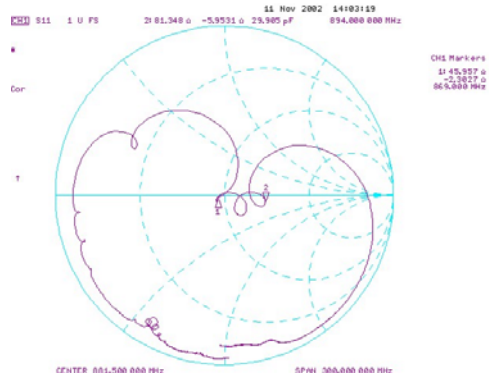
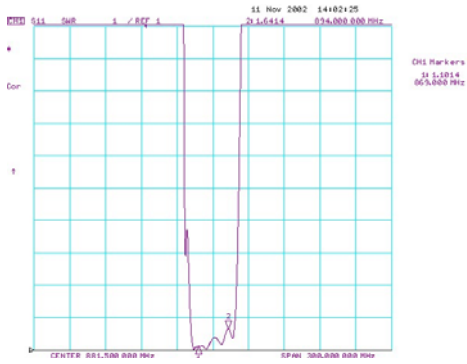
Note1. No matching network required for operation at 50 Ω

### C. Frequency Characteristics :

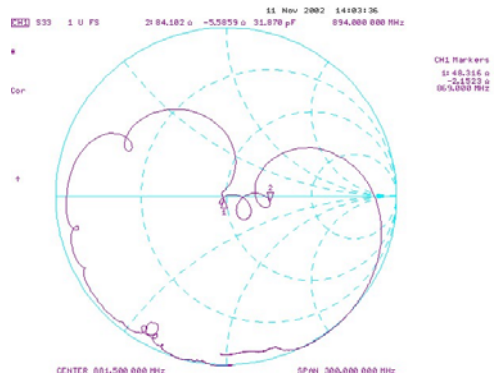
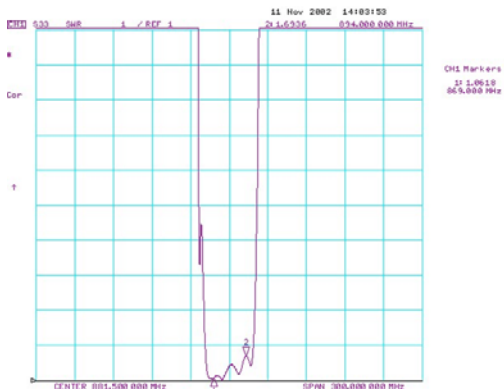


## D.Reflections Functions :

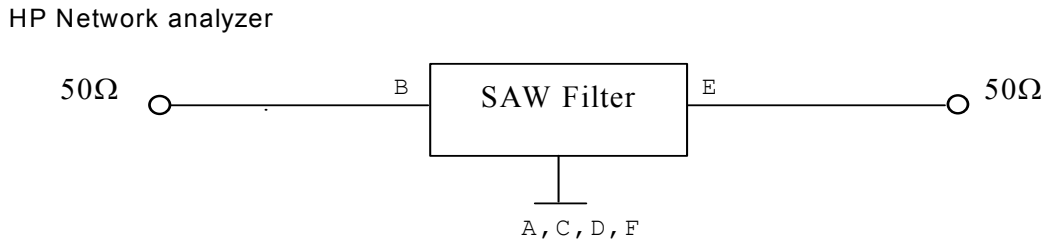
S11:



S22:



**E. MEASUREMENT CIRCUIT:**



**E.OUTLINE DRAWING:**

