



# 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 862 MHz SMD 3.0X3.0 mm (BW=16MHz)

TST Part No.: TA1285A

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

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

Checked by: \_\_\_\_\_ Bob Chau *Andy (P)*

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

Date: \_\_\_\_\_ 12, 14, 2010

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 862 MHz

MODEL NO.:TA1285A

REV. NO.:1

### A. MAXIMUM RATING:

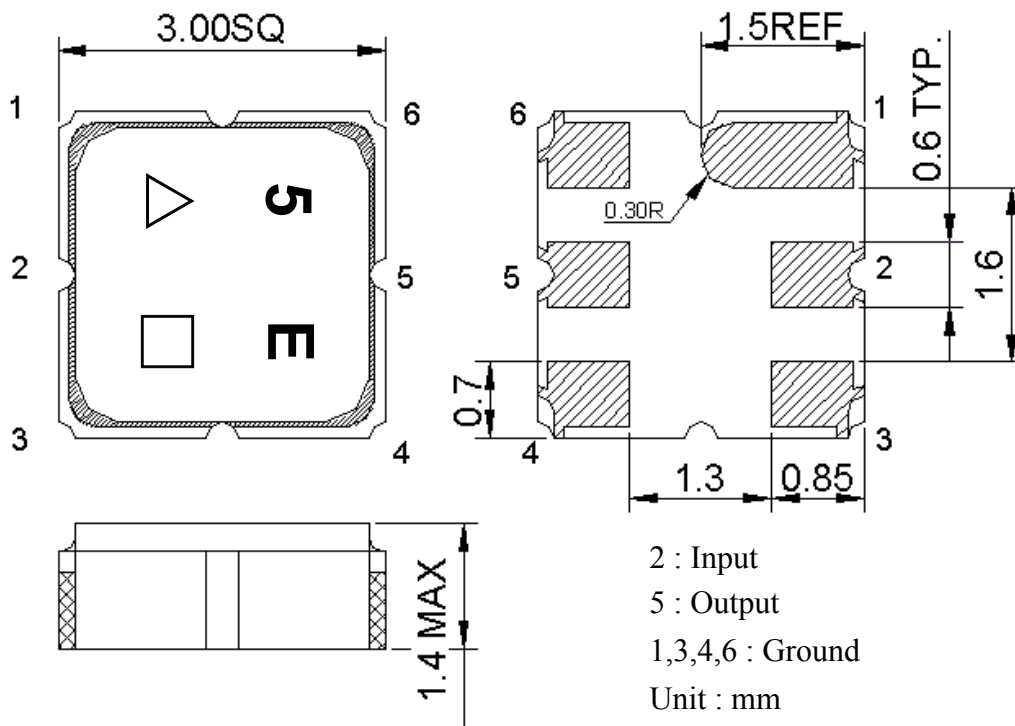
1. Input Power Level: 16 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

RoHS Compliant  
 Lead free  
 Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
<b>Center Frequency</b> <b>Fc</b>	MHz	-	862	-	-
<b>Insertion Loss</b> (854~870 MHz) <b>IL</b>	dB	-	1.6	2	-
<b>Amplitude Ripple</b> (854~870 MHz)	dB	-	0.6	1.3	-
<b>VSWR</b> (854~870 MHz)		-	1.7	2	-
<b>Attenuation</b> (Reference level from 0 dB)					
40 ~ 200                      MHz	dB	35	42	-	-
650 ~ 800                      MHz	dB	20	36	-	-
800 ~ 830                      MHz	dB	15	39	-	-
885 ~ 902                      MHz	dB	20	55	-	-
990 ~ 1025                      MHz	dB	35	40	-	-
1025 ~ 1600                      MHz	dB	35	44	-	-
1600 ~ 3000                      MHz	dB	13	30	-	-
<b>Temperature Coefficient of Frequency</b>	ppm/°C	-	-36	-	-

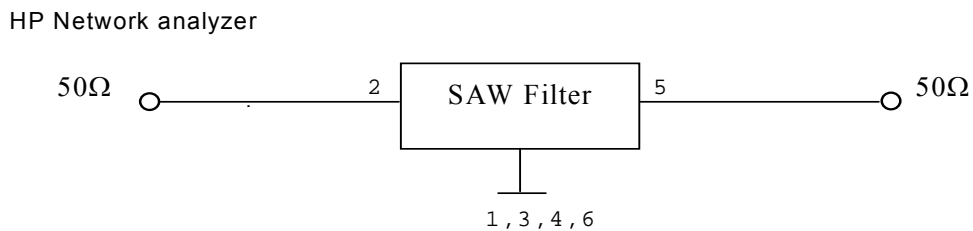
**C.OUTLINE DRAWING:**



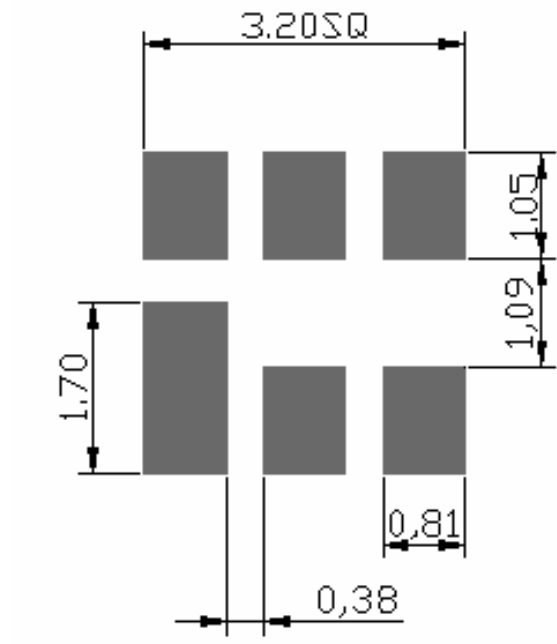
△ : Year Code (2009->9, 2010->0, ..., 2018->8)

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

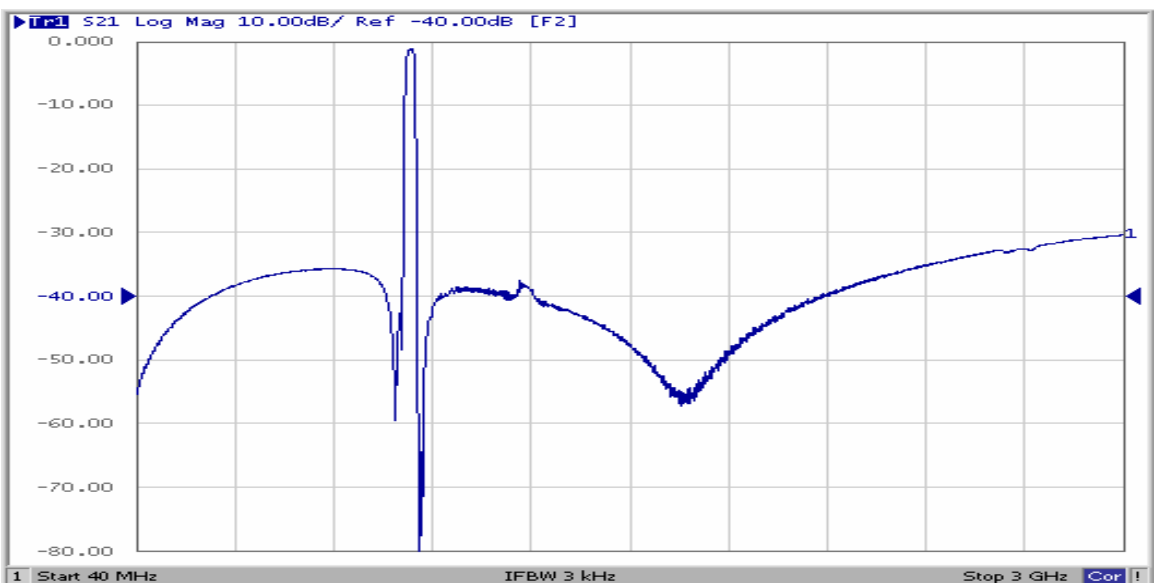
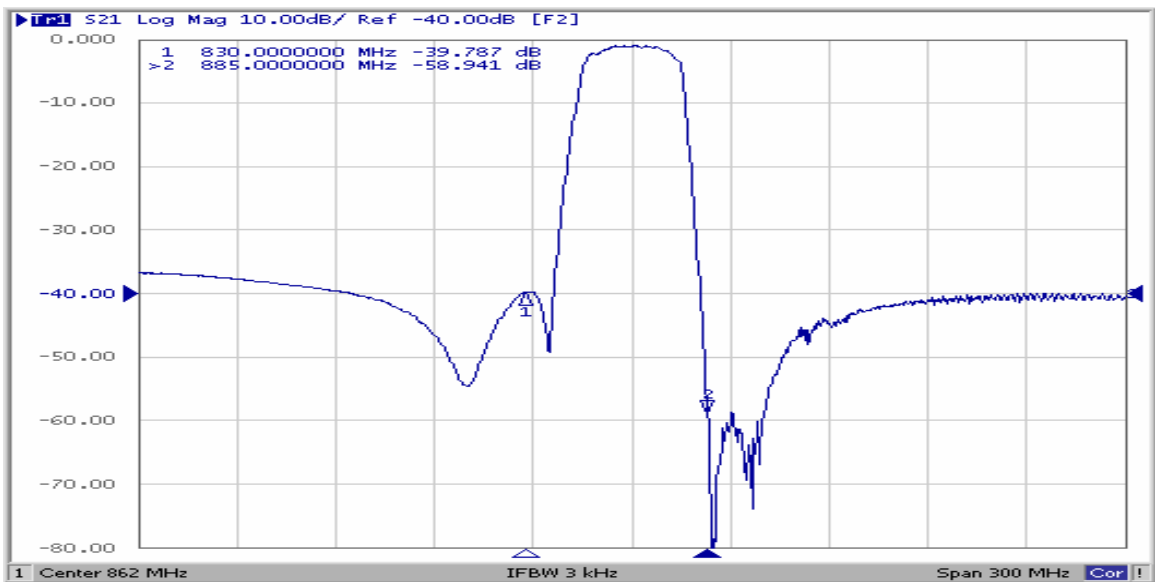
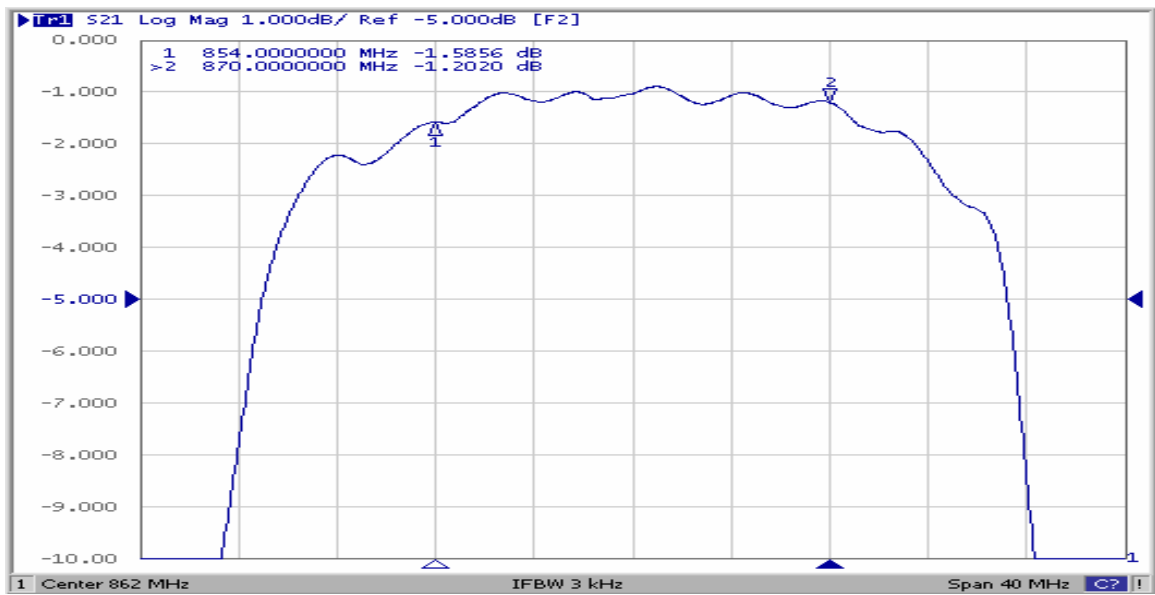
**D. MEASUREMENT CIRCUIT:**



**E. PCB Footprint:**

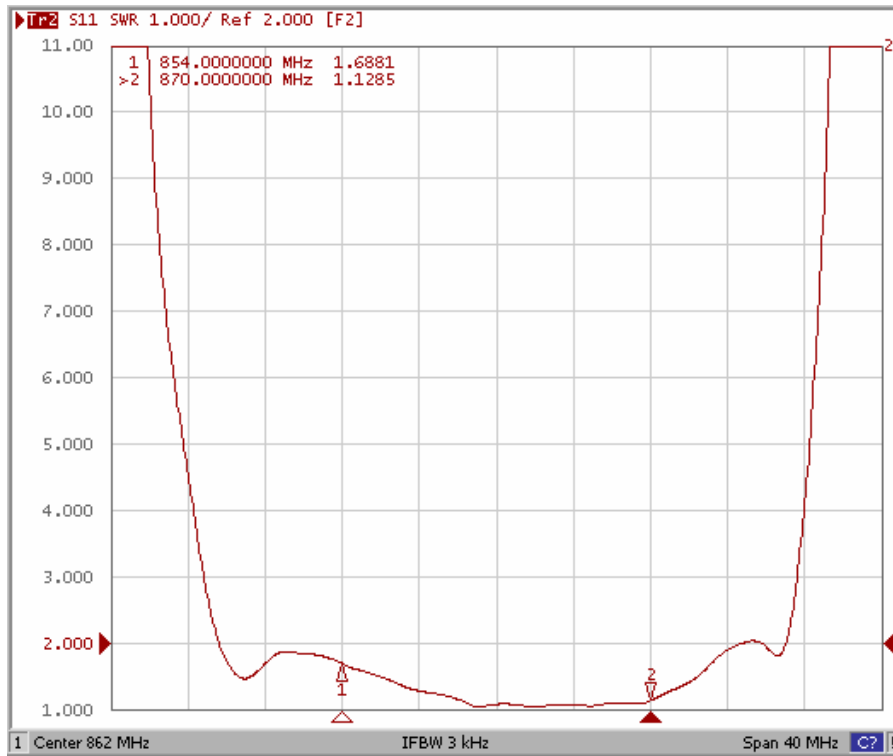


## F. Frequency Characteristics :

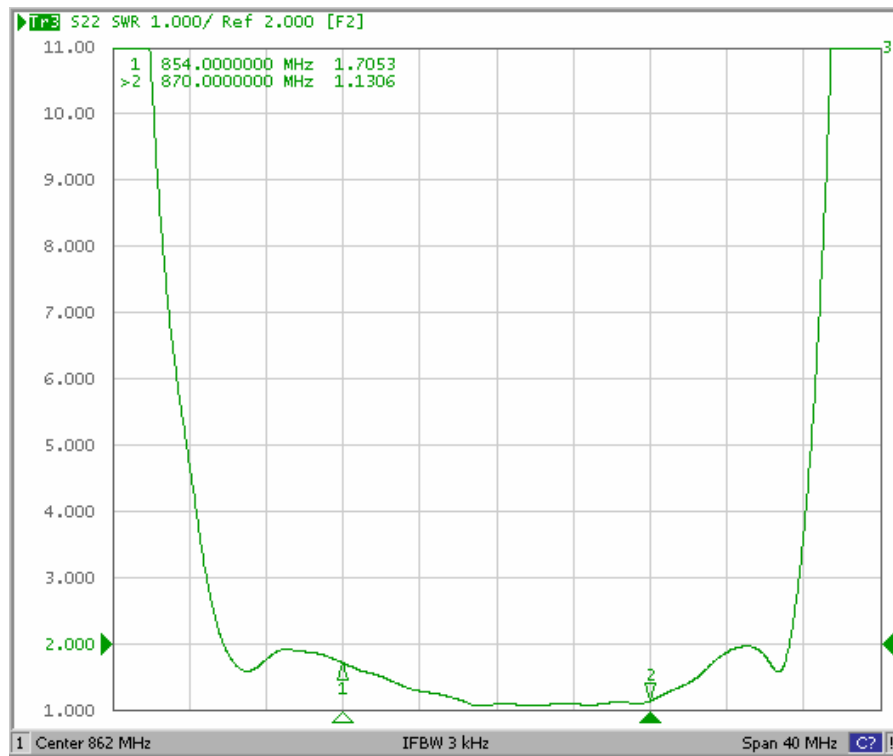


# Reflection Functions :

## S11



## S22





## H. RECOMMENDED REFLOW PROFILE :

