



# 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

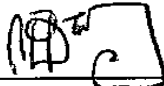
Product Description: SAW Filter 815 MHz SMD 3.0x3.0 mm

TST Part No.: TA1082A

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

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

Checked by: \_\_\_\_\_ David Chang 張閱智

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

Date: \_\_\_\_\_ 2009/08/24

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 815 MHz

MODEL NO.: TA1082A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

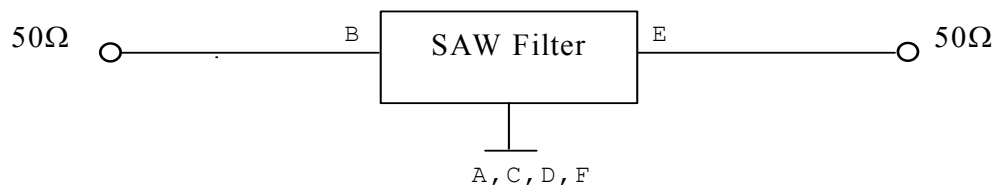
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

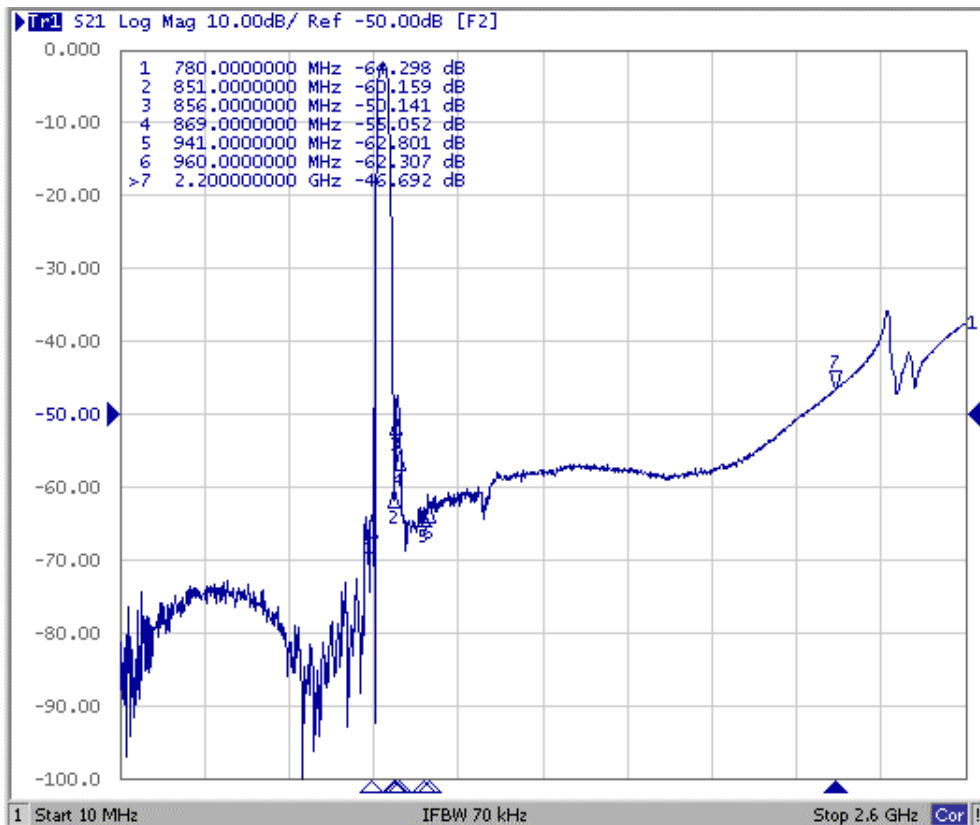
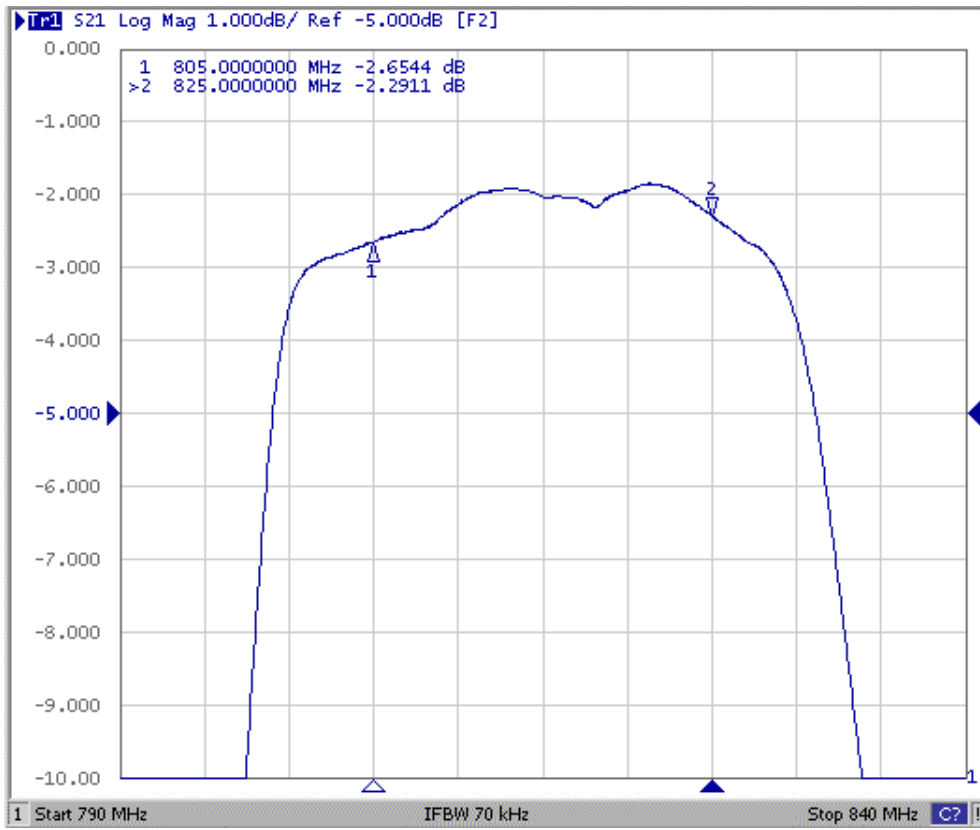
Item	Unit	Min.	Type.	Max.
<b>Center frequency</b> <b>F<sub>c</sub></b>	MHz	-	815	-
<b>Insertion Loss</b> (805~825 MHz) <b>IL</b>	dB	-	2.8	3.5
<b>Amplitude Ripple</b> (805~825 MHz)	dB	-	1.0	2.0
<b>Input/Output VSWR</b> (805~825 MHz)	-	-	1.9	2.5
<b>Attenuation</b> (Reference level from 0 dB)				
10 ~ 780 MHz	dB	40	63	-
851 ~ 856 MHz	dB	28	50	-
856 ~ 869 MHz	dB	40	47	-
896 ~ 941 MHz	dB	40	62	-
960 ~ 2200 MHz	dB	40	46	-
2200 ~ 2600 MHz	dB	30	35	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer

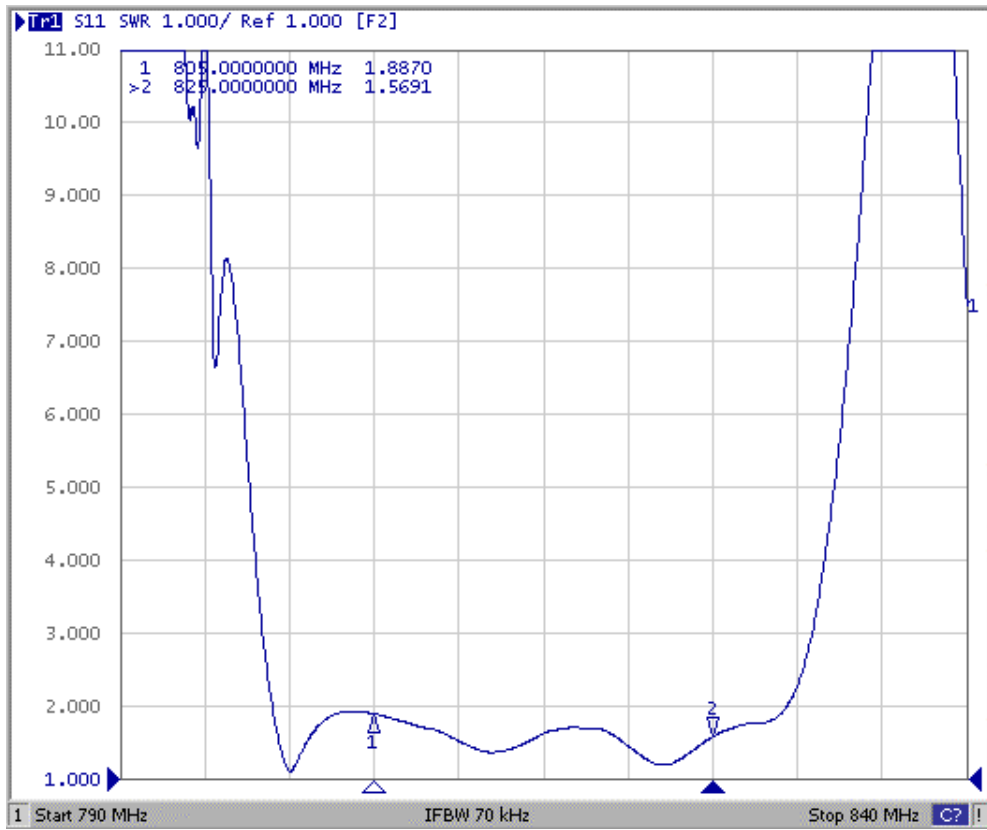


## D. Frequency Characteristics:

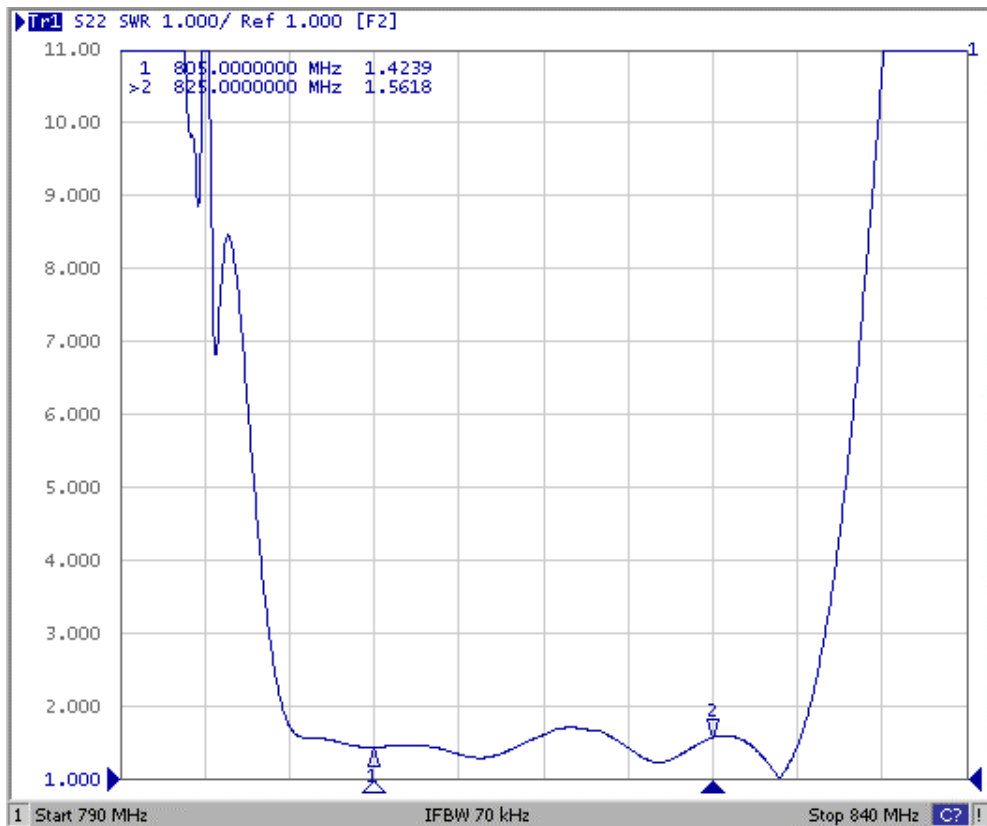


## Reflection Functions :

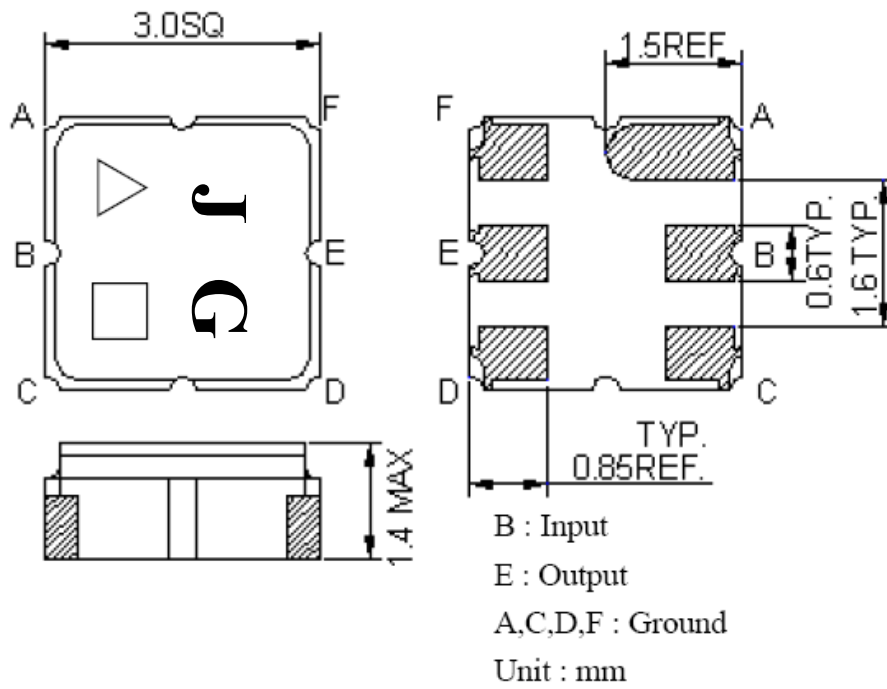
### S11



### S22

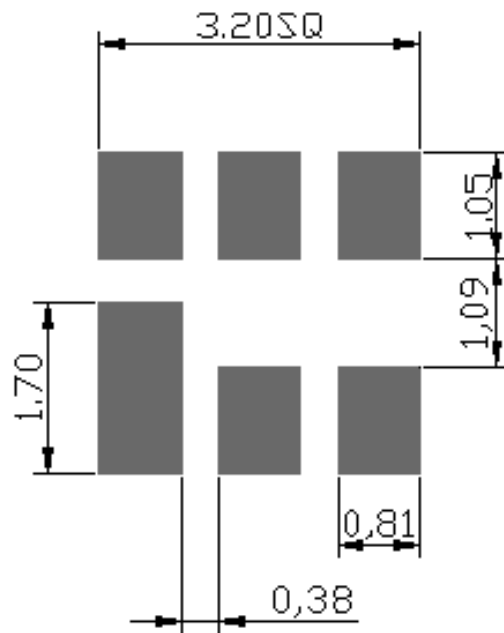


**E. OUTLINE DRAWING:**



- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

**F. PCB Footprint:**





**H. RECOMMENDED REFLOW PROFILE :**

