



# 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 1892 MHz SMD 3.0x3.0 mm

TST Part No.: TA1046A

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

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

Checked by: \_\_\_\_\_ David Chang 張閔智

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

Date: \_\_\_\_\_ 2009/11/05

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 1892 MHz

MODEL NO.: TA1046A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -40°C to 85°C
4. Storage Temperature: -50°C to +95°C

RoHS Compliant  
Lead free  
Lead-free soldering

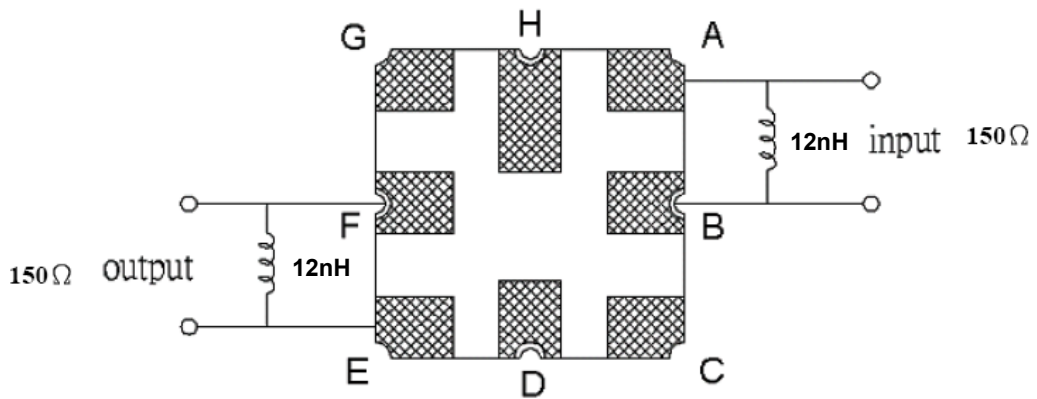
### B. CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center frequency	Fc MHz	-	1892	-	-
Insertion loss (1862 ~ 1922 MHz)	IL dB	-	4	5	-
Amplitude ripple (1862 ~ 1922 MHz)		-	1.3	2	-
VSWR (1862 ~ 1922 MHz)		-	1.4	2.5	-
CMDR (1862 ~ 1922 MHz)		25	31	-	-
Phase error (1862 ~ 1922 MHz)	deg	-	1	5	-
Attenuation (reference from 0dB) <sup>(1)</sup>					
10 ~ 1780 MHz		40	52	-	-
2020 ~ 4000 MHz		40	44	-	-
4000 ~ 6000 MHz		18	24	-	-

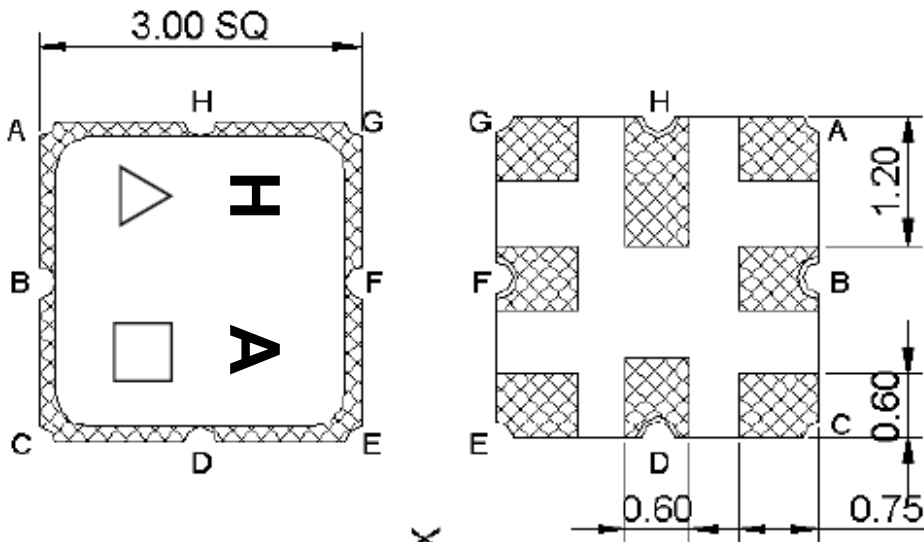
#### Notes :

- (1) The amplitude reference is insertion loss at Fc.
- (2) The amplitude ripple is defined as the max. level – min. level over any 36 MHz block of the given bandwidth.
- (3) The phase error is measured over any 36 MHz block of the given bandwidth.

**C. MEASUREMENT CIRCUIT:**



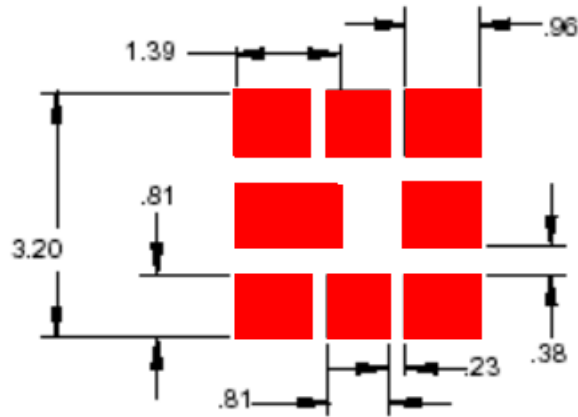
**D. OUTLINE DRAWING:**



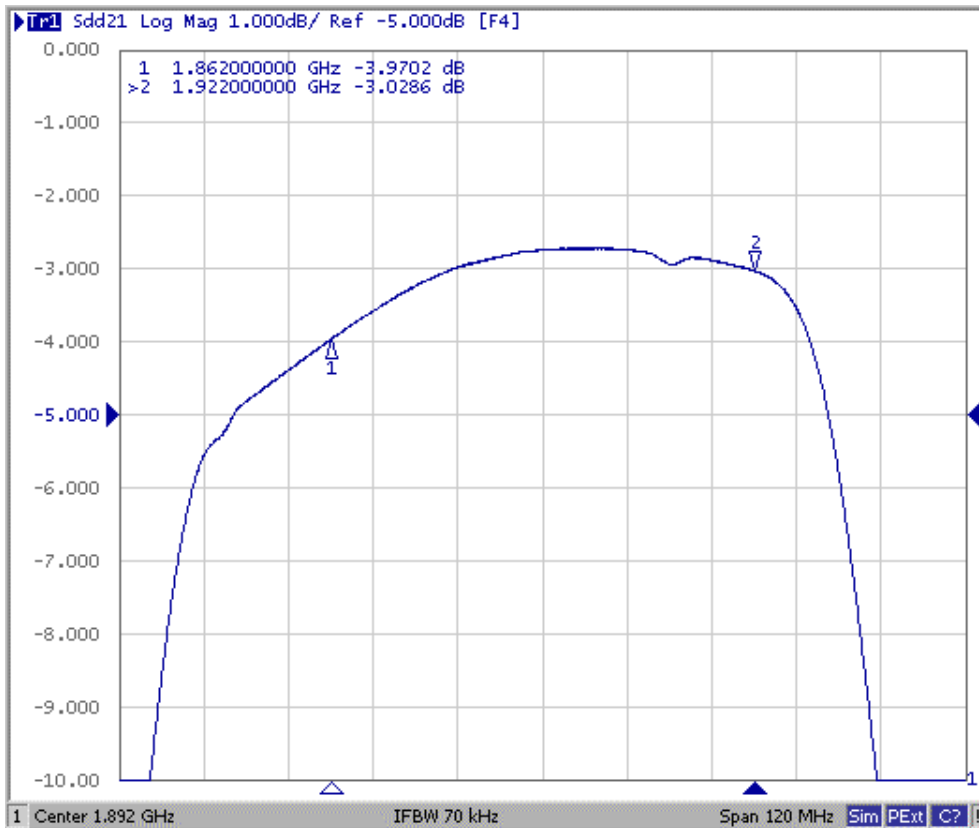
A, B : Balance Input  
 E, F : Balance Output  
 C, D, G, H : Ground  
 Unit : mm

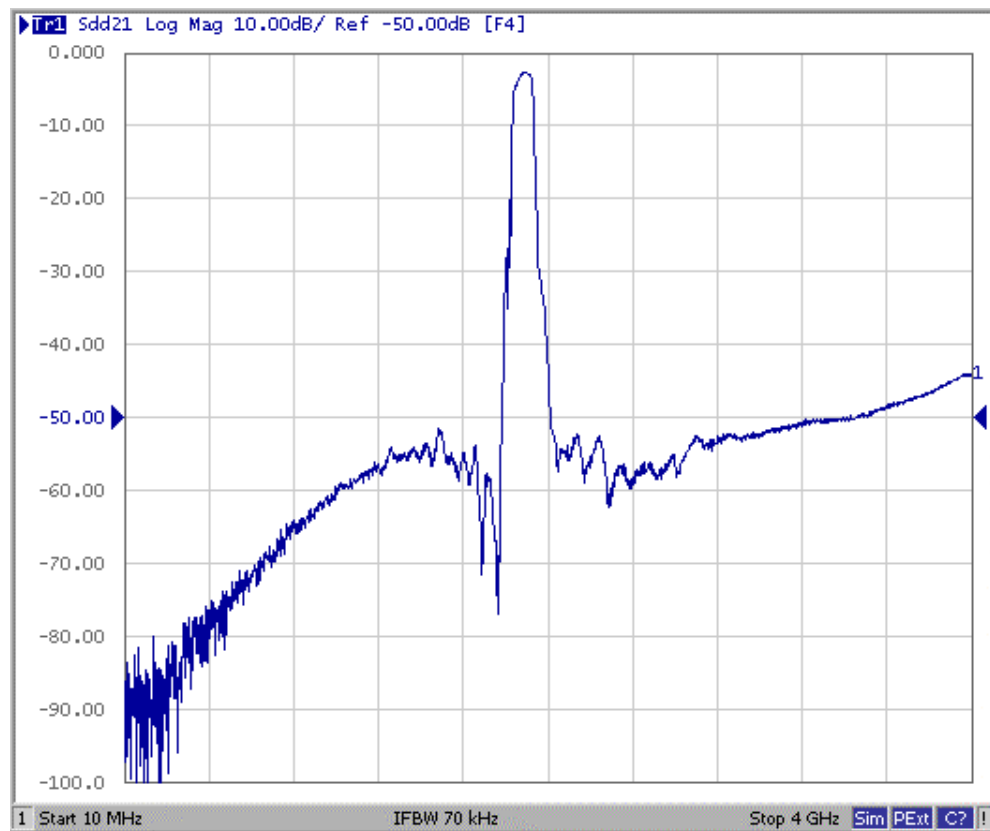
- △ : Year Code (2006->6, ..., 2009->9)
- : Date Code (Follow the table from planner each year)

### E. PCB FOOTPRINT:



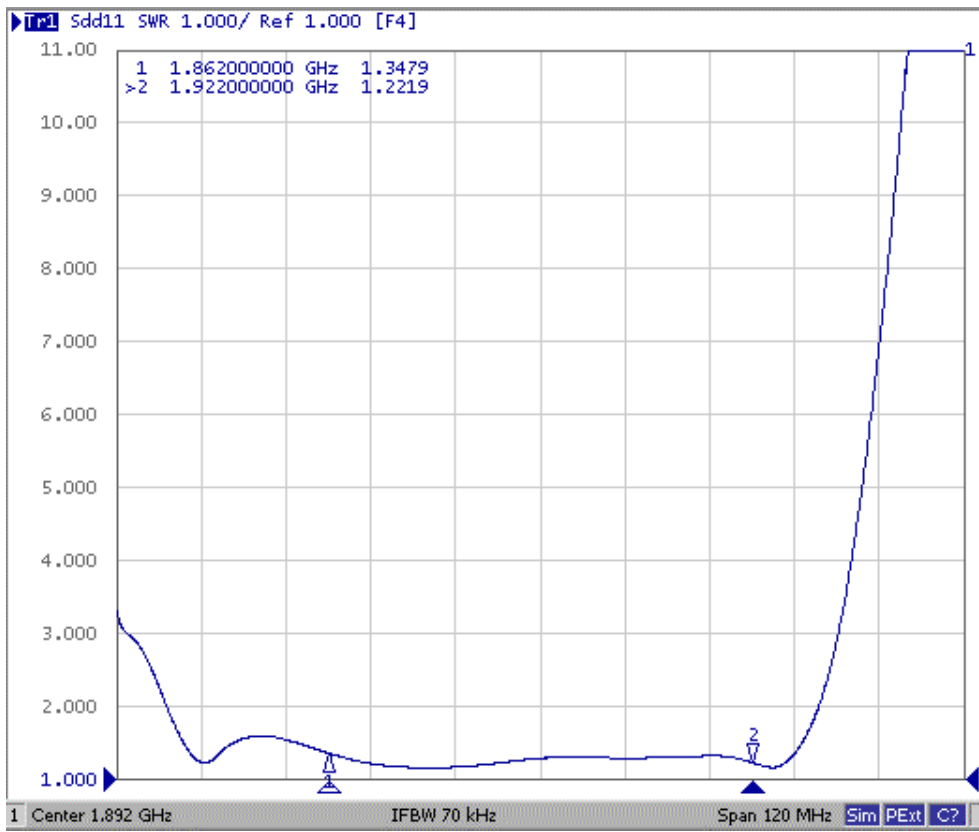
### F. Frequency Characteristics :





## Reflection Functions :

### S11



### S22

