



TAI-SAW TECHNOLOGY CO., LTD.

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

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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_m
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

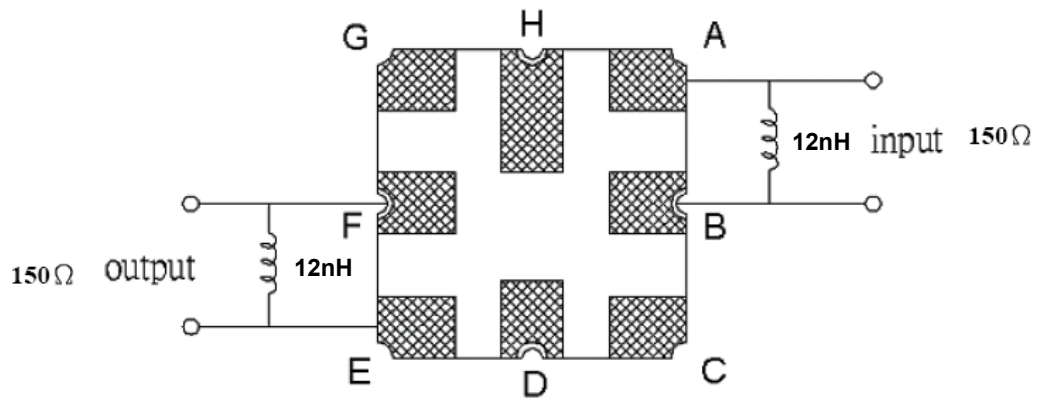
B. CHARACTERISTICS:

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

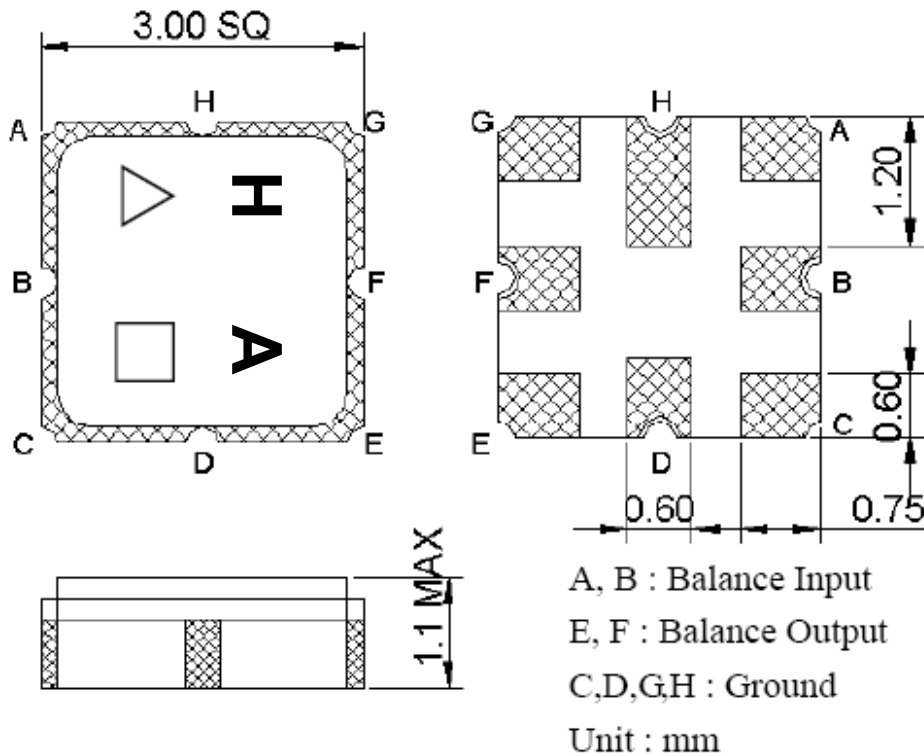
Notes :

- (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:



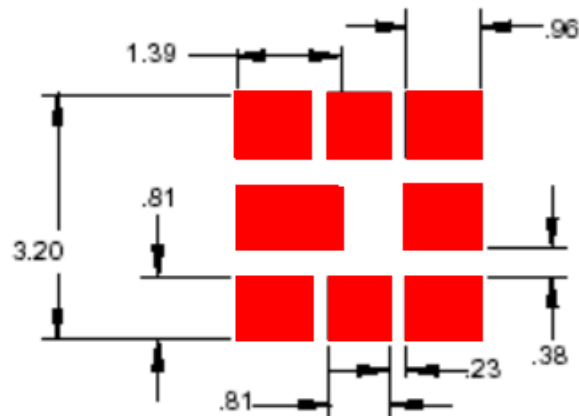
D. OUTLINE DRAWING:



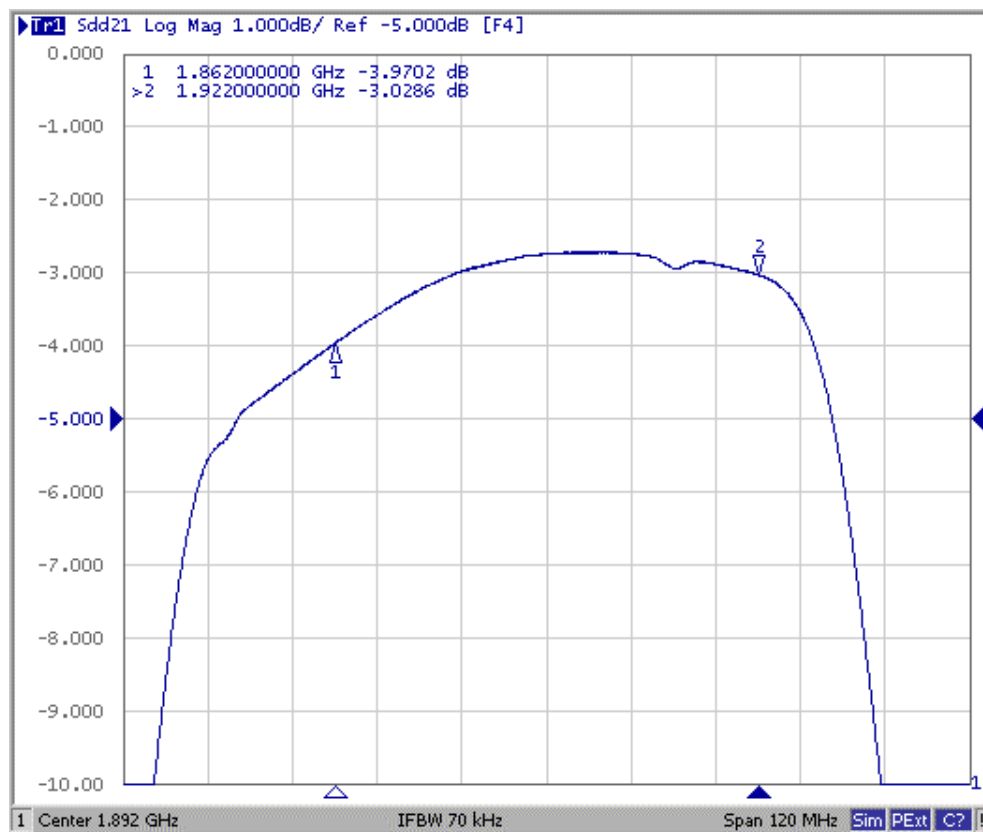
△ : Year Code (2006->6, ..., 2009->9)

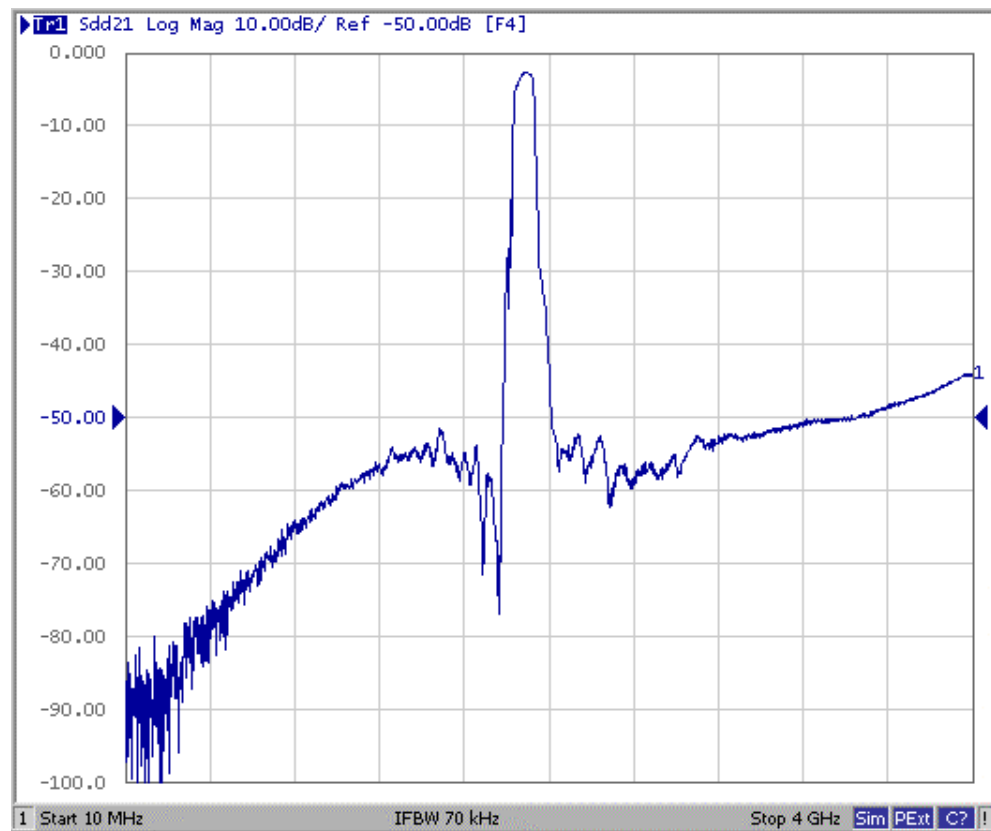
□ : Date Code (Follow the table from planner each year)

E. PCB FOOTPRINT:



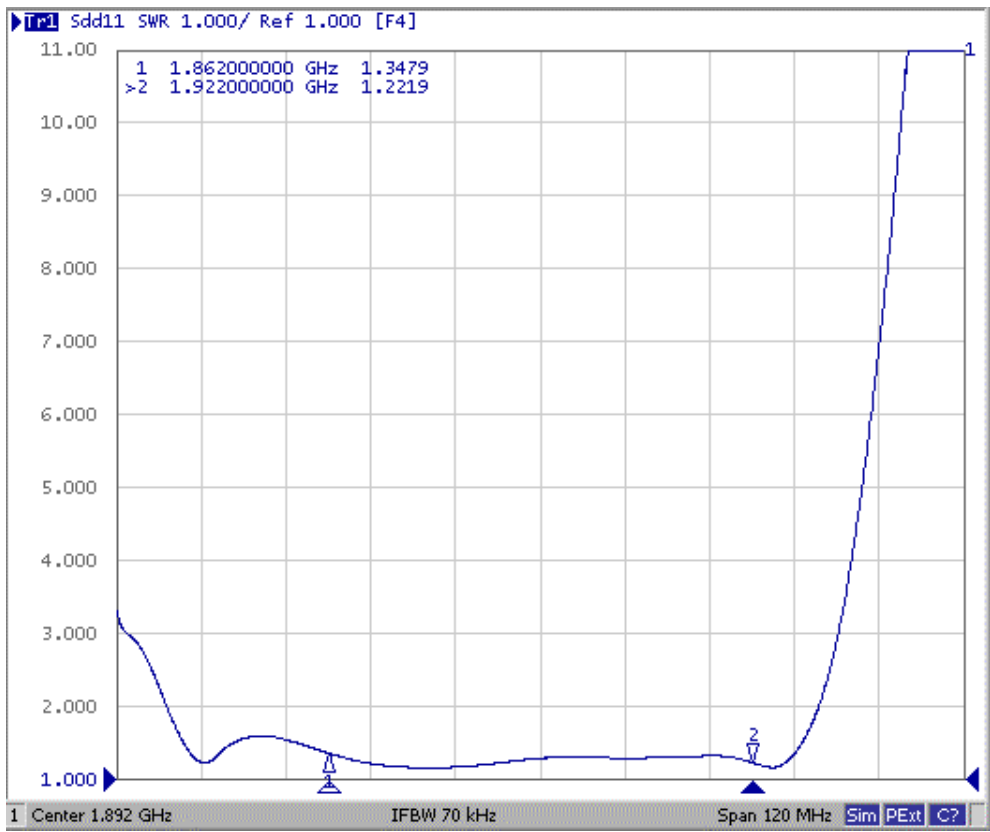
F. Frequency Characteristics :



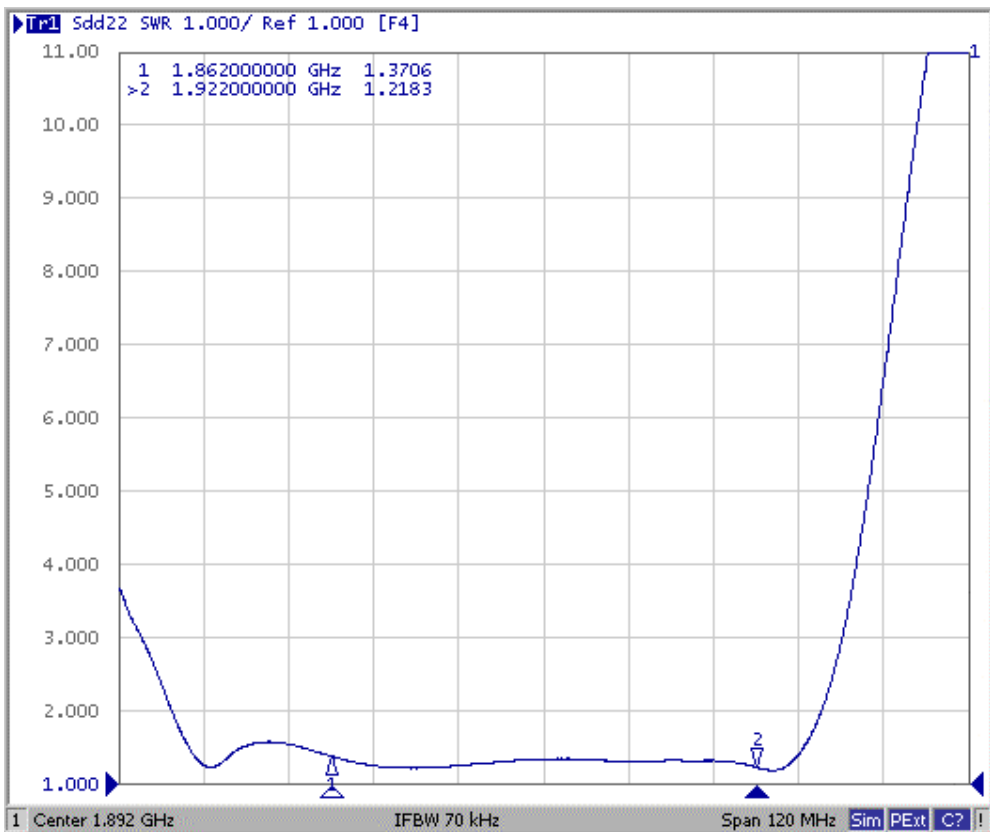


Reflection Functions :

S11



S22



1. REEL DIMENSION

See DETAIL 'A'

Technical drawing of a circular component. The main view shows a large circle with a central hole. A dashed circle indicates the hole's diameter. A leader line points from the text "See DETAIL 'A'" to the central hole. To the right, a vertical section view shows the component's profile with dimensions: $\phi 100$ REF. and $\phi 330$ REF. Below the main view, a detail view (DETAIL 'A') shows a cross-section of the central hole with dimensions: $\phi 13.0$, $\phi 20.2$, and a radial dimension of 2.0.

[illegible]