



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 1550 MHz SMD 3.0x3.0 mm

TST Part No.: TA1045A

Customer Part No.: _____

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

Checked by: _____ David Chang 張閔智

Approved by: _____ Francis Chen 1915

Date: _____ 2009/09/07

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 1550 MHz

MODEL NO.: TA1045A

REV. NO.:2

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

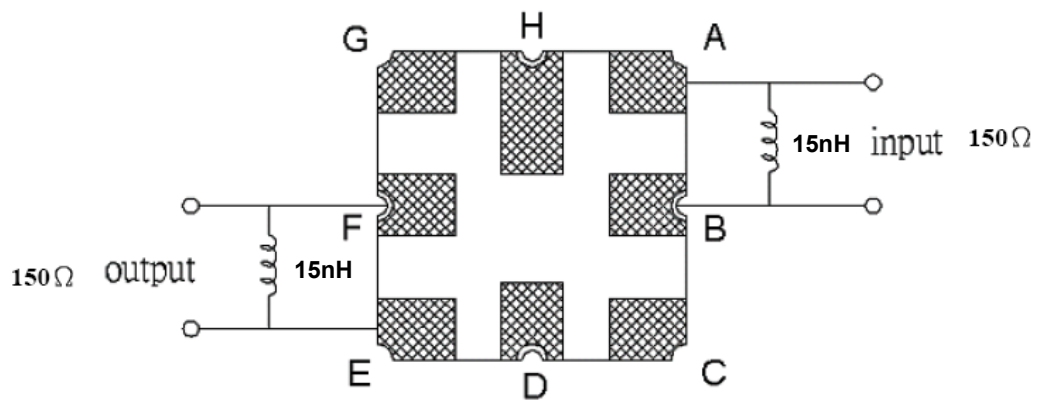
B. CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center frequency Fc	MHz	-	1550	-	-
Bandwidth at -2dB	MHz	60	75	-	-
Insertion loss (1520 ~ 1580 MHz) IL	dB	-	3.6	5	-
Amplitude ripple (1520 ~ 1580 MHz)	dB	-	1.3	2	-
VSWR (1520 ~ 1580 MHz)	-	-	1.8	2.5	-
CMDR (1520 ~ 1580 MHz)	dB	25	32	-	-
Phase error (1520 ~ 1580 MHz)	deg	-	2.5	5	-
Attenuation (reference from 0dB) (1)					
10 ~ 1440 MHz	dB	40	50	-	-
1670 ~ 3300 MHz	dB	40	45	-	-
3300 ~ 6000 MHz	dB	16	21	-	-

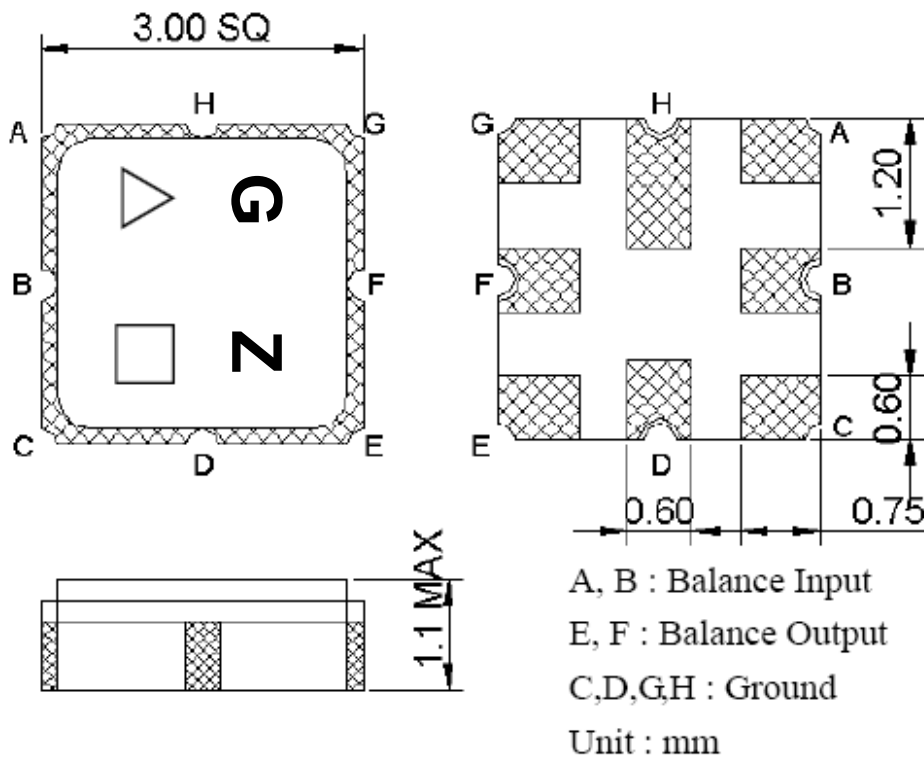
Notes :

- (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:



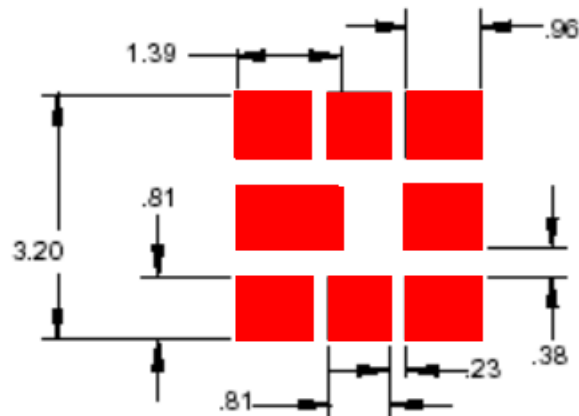
D. OUTLINE DRAWING:



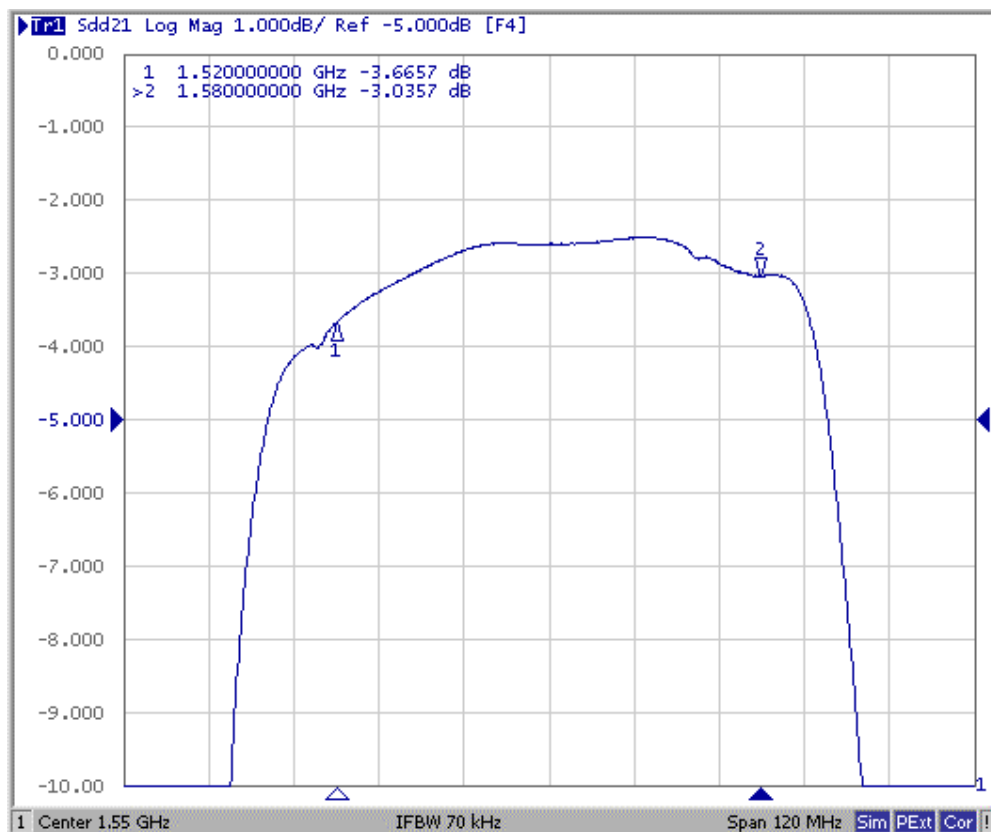
△ : Year Code (2006->6, ..., 2009->9)

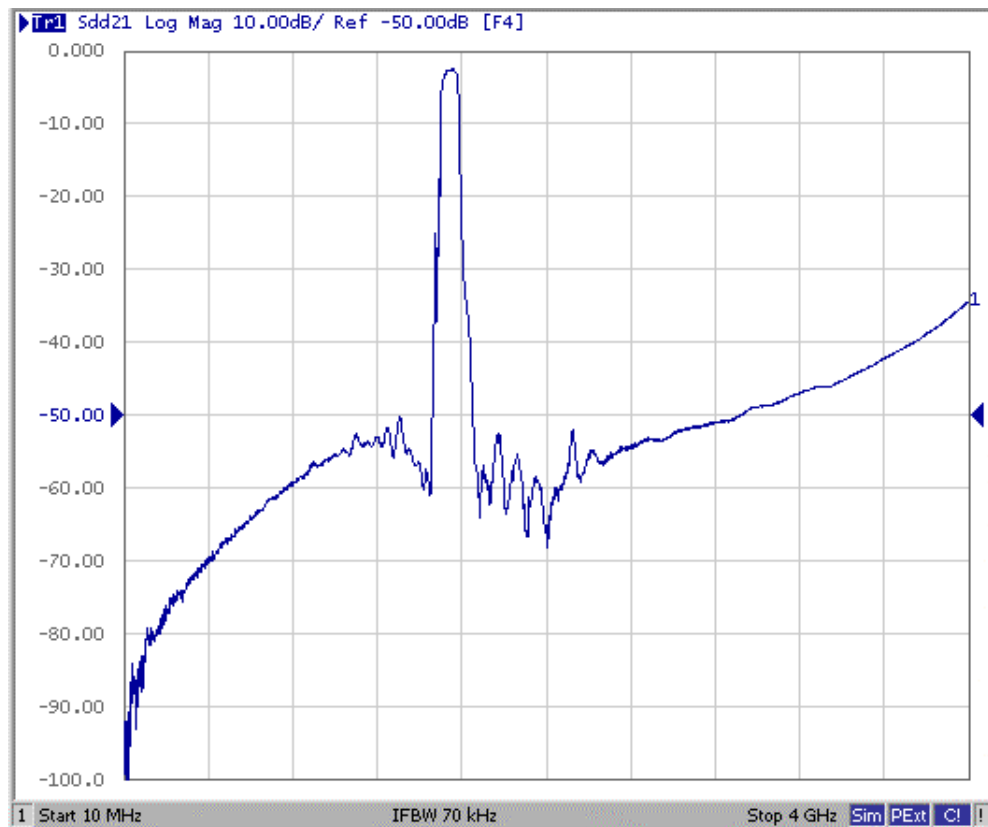
□ : Date Code (Follow the table from planner each year)

E. PCB FOOTPRINT:



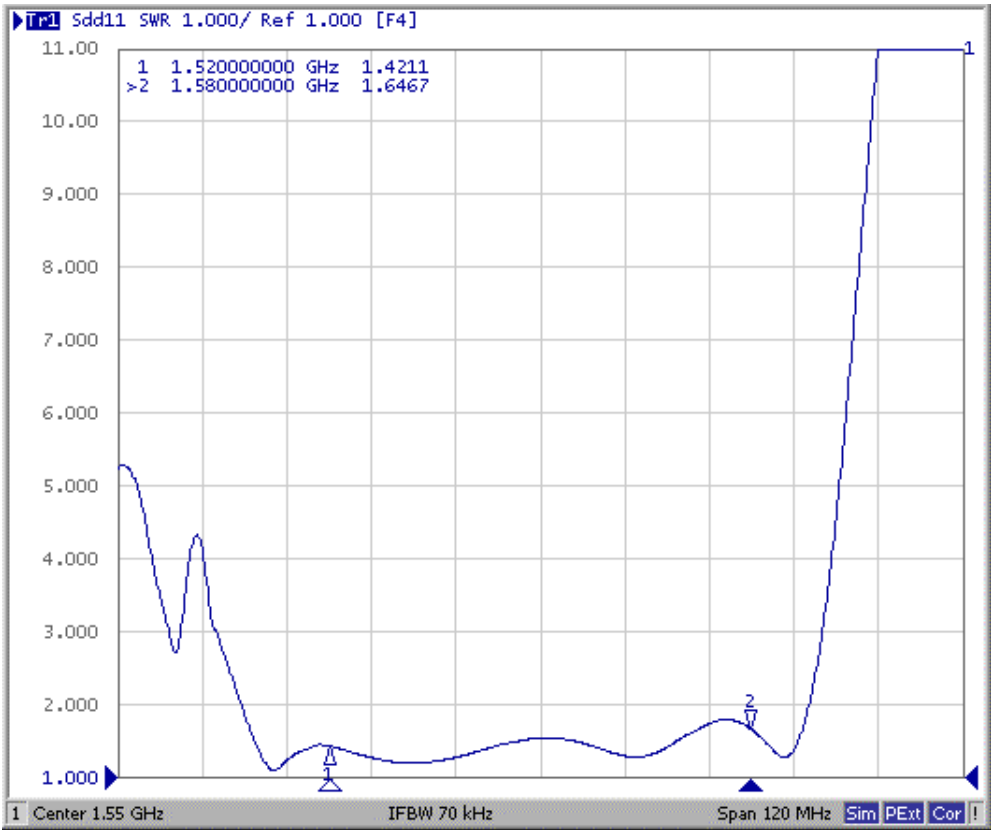
F. Frequency Characteristics :



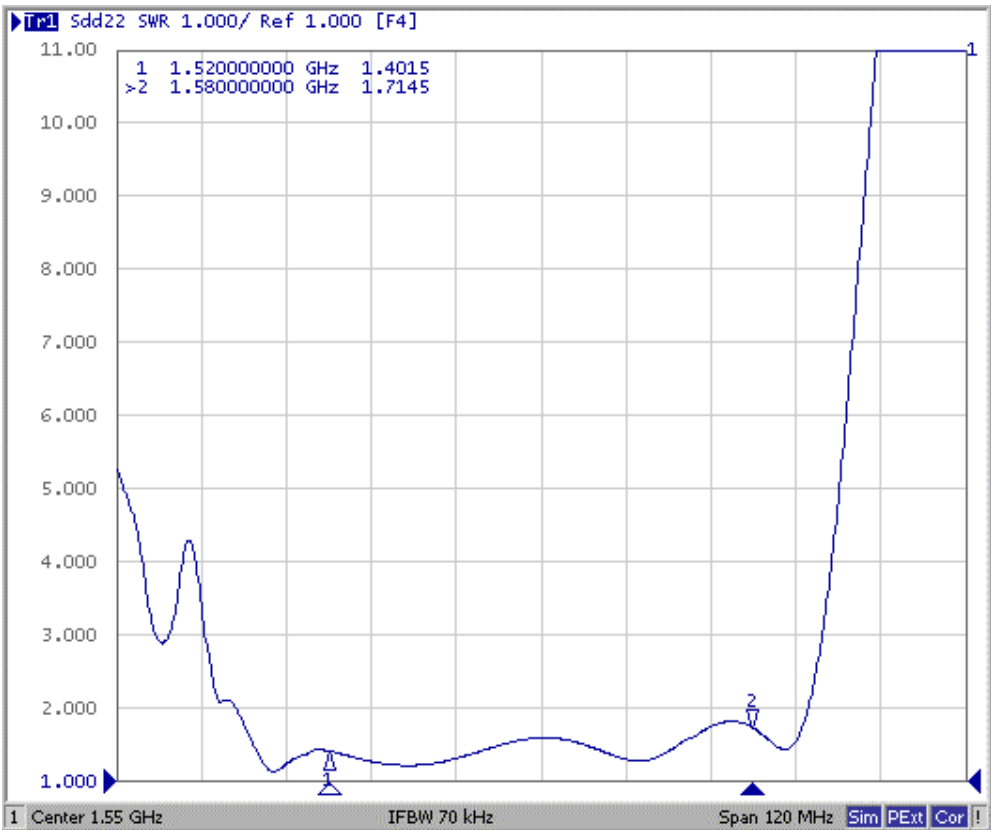


Reflection Functions :

S11

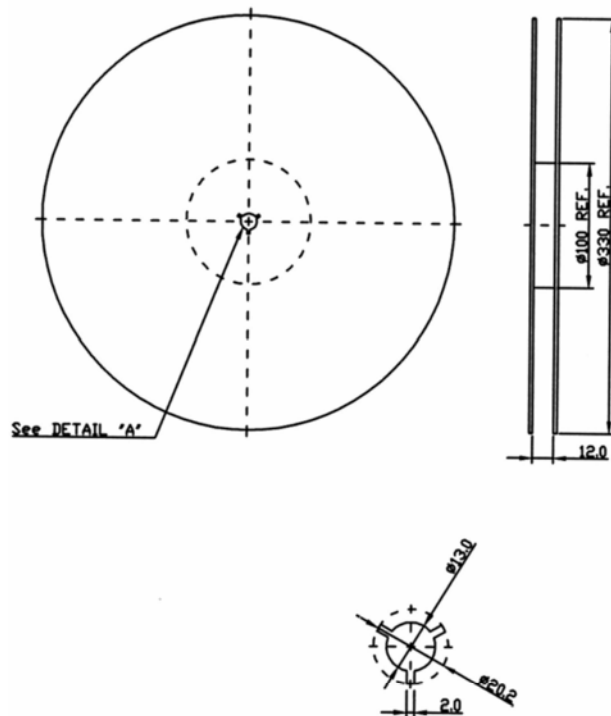


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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

