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
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: SAW Filter 1382.24 MHz SMD 3.0X3.0 mm (BW=46MHz)

TST Part No.: TA1340B

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Bob Chau

Approved by: Francis Chen

Date: 12, 1, 2011

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.

TST DCC
Release document

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SAW Filter 1382.24 MHz

MODEL NO.:TA1340B REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic **S**ensitive **D**evice (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (differential) : Zs = 150 Ω // 27 nH

Terminating load impedance (differential) : Z_L = 150 Ω // 27 nH

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1382.24	-	-
Bandwidth at –2 dB	MHz	46	55	-	-
Insertion Loss in 1359.24~1405.24 MHz	dB	-	2.5	5	-
Amplitude ripple (1359.24 MHz ~ 1405.24 MHz)	dB	-	0.7	2	-
Phase error (1359.24 MHz ~ 1405.24 MHz) (3)	deg	-	3.8	6.5	-
I/O VSWR (1359.24 MHz ~ 1405.24 MHz)		-	2.1	2.5	-
CMDR (1359.24 MHz ~ 1405.24 MHz)	dB	22	26	-	-
Attenuation (1)					
50 ~ 1300.18 MHz	dB	42	51	-	-
1464.3 ~ 1810.5 MHz	dB	42	52	-	-
1810.5 ~ 4250 MHz	dB	35	42	-	-
4250 ~ 6000 MHz	dB	30	37	-	-
Temperature Coefficient of Frequency	ppm/℃	-	-36	-	-

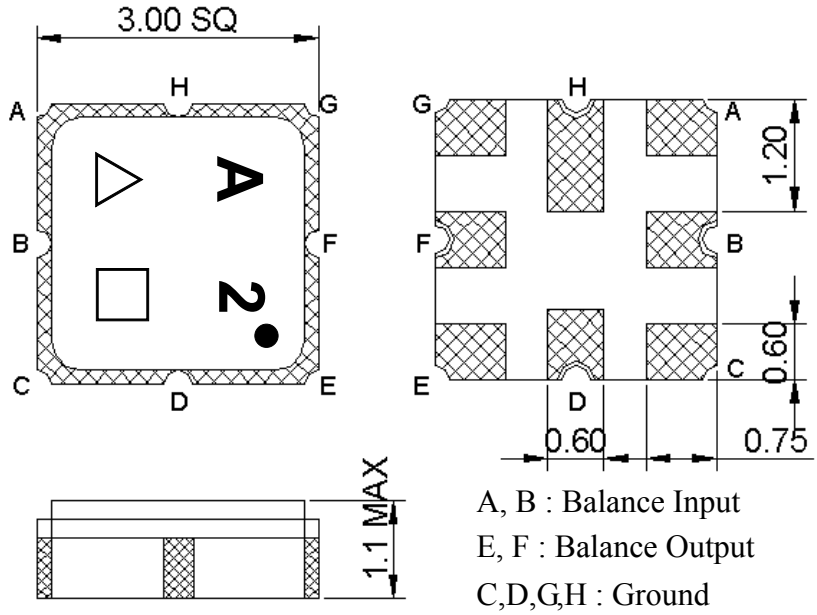
Notes :

(1). The amplitude reference is insertion loss at Fc.

(2). The amplitude ripple is defined as the max. level – min. level over any 30 MHz block of the given bandwidth.

(3). The phase error is measured over any 30 MHz block of the given bandwidth.

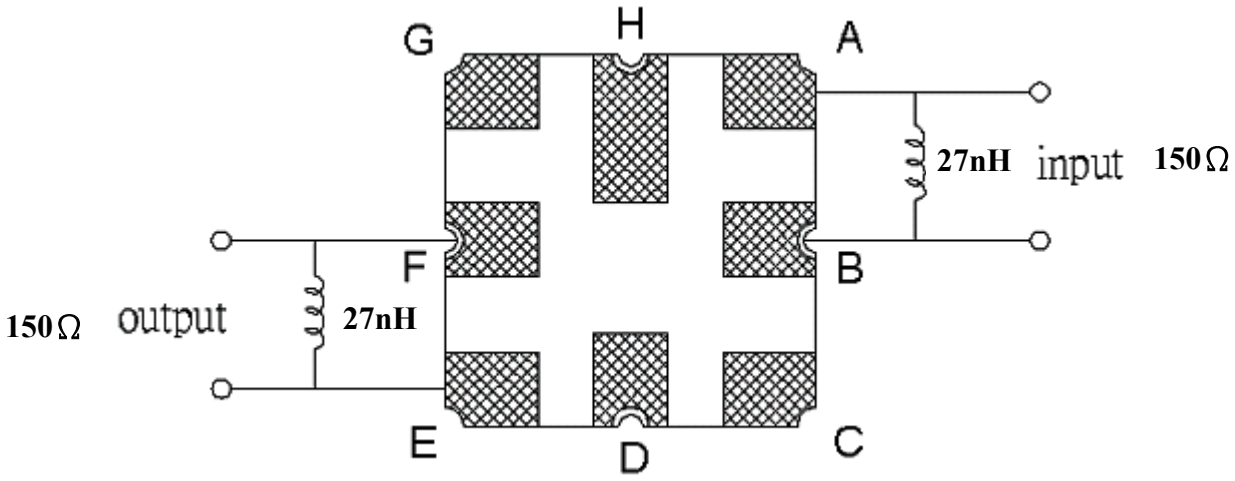
C.OUTLINE DRAWING:



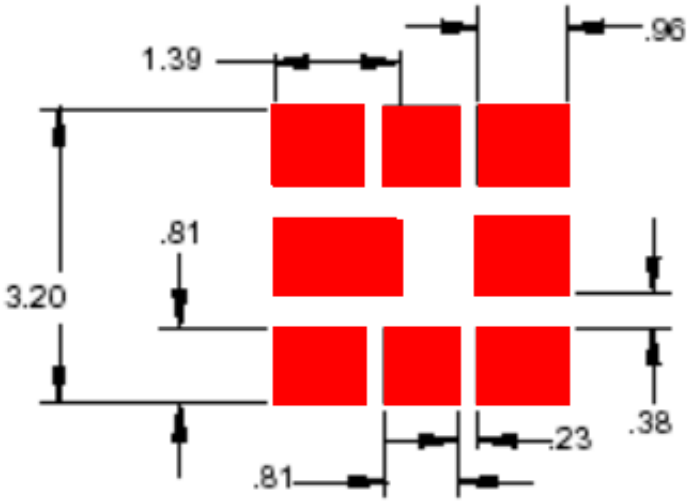
A, B : Balance Input
E, F : Balance Output
C,D,G,H : Ground
Unit : mm

△ : Year Code (2009->9, 2010->0,…, 2018->8)
□ : Date Code (W01->A,W02->B,…W27->a,…,W52->z)

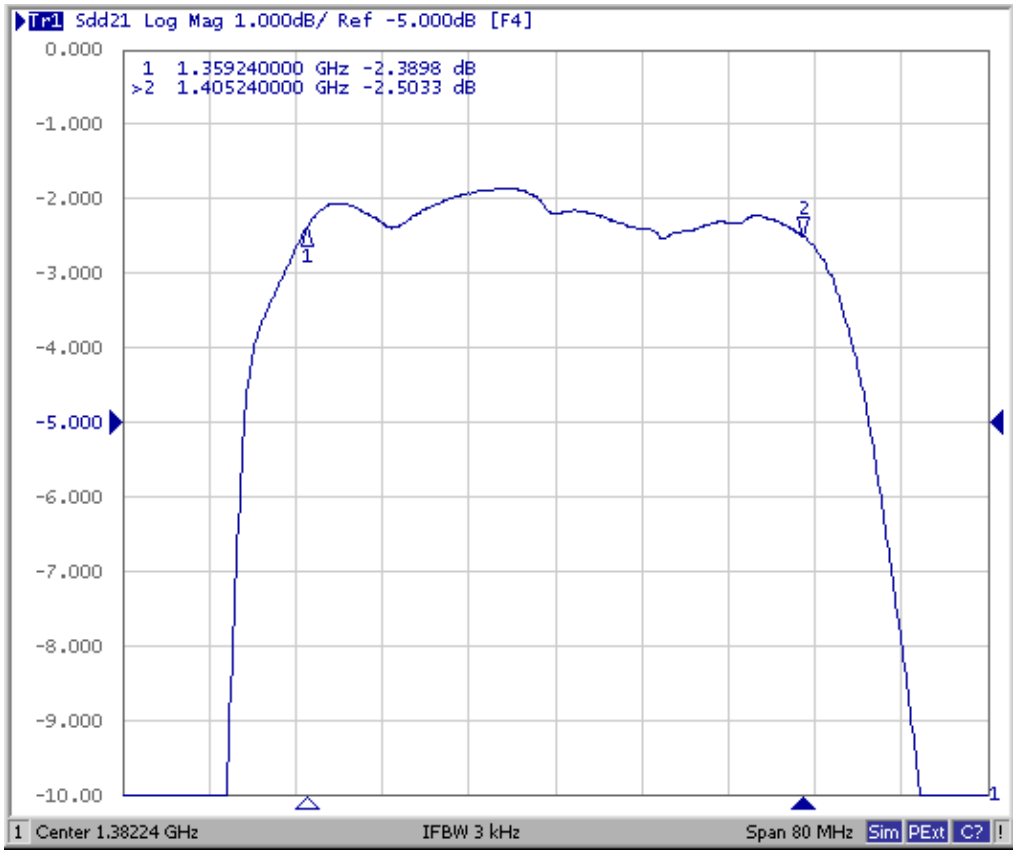
D. MEASUREMENT CIRCUIT:

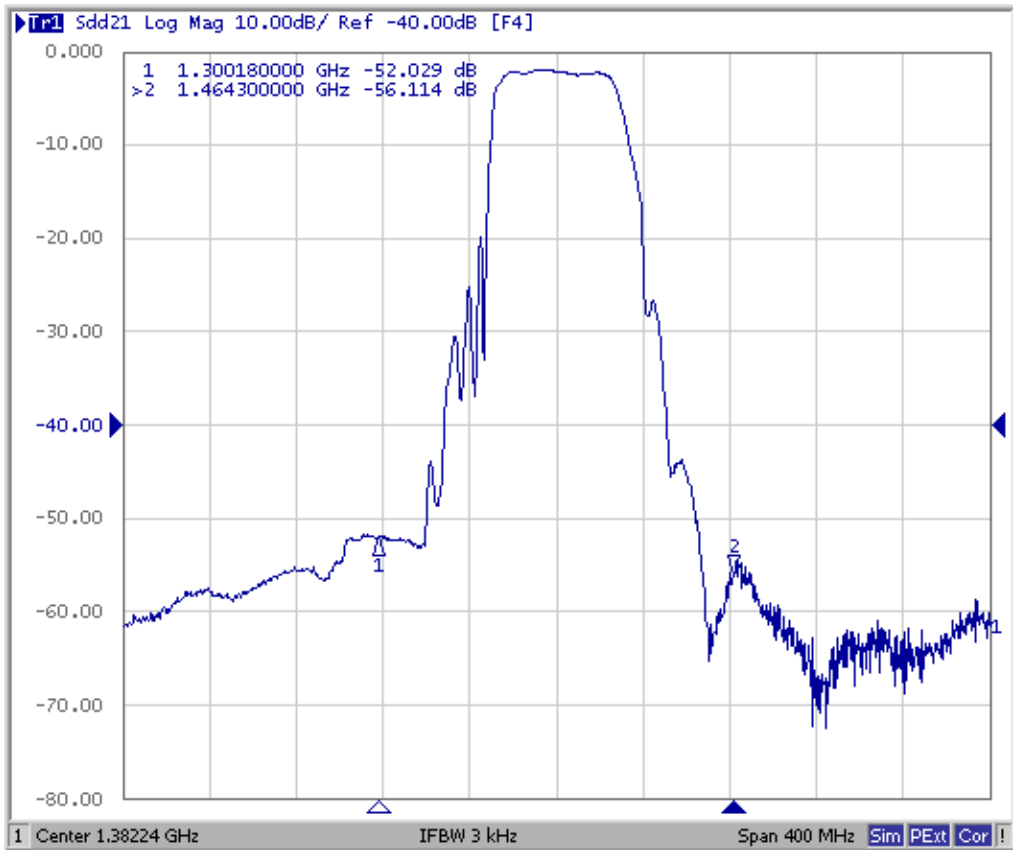


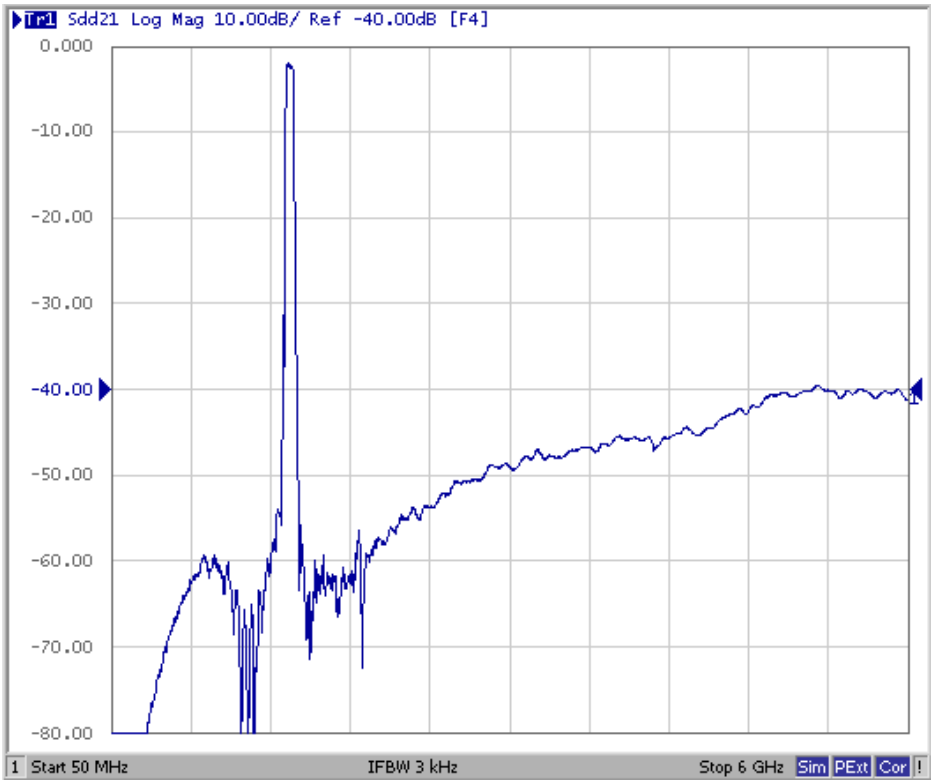
E. PCB Footprint:



F. Frequency Characteristics :

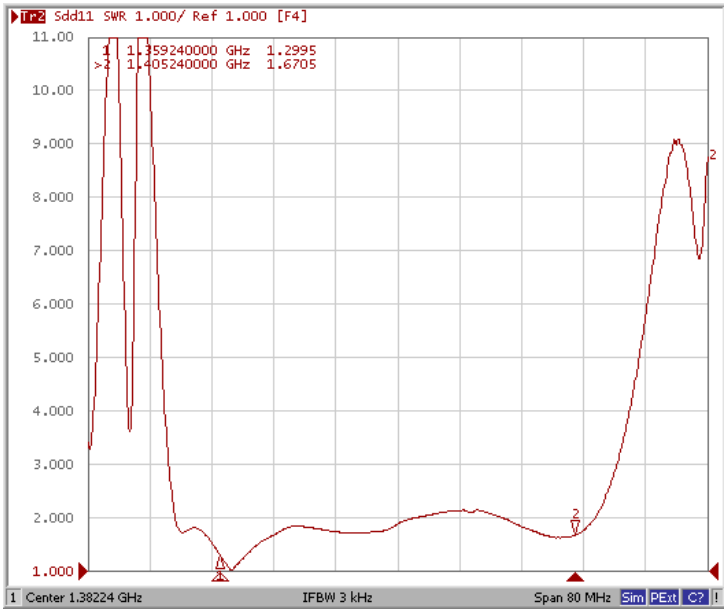




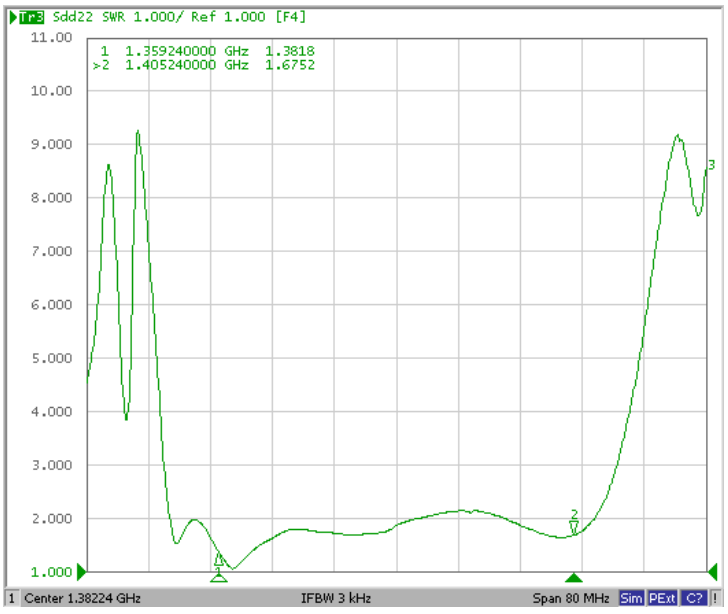


Reflection Functions :

S11



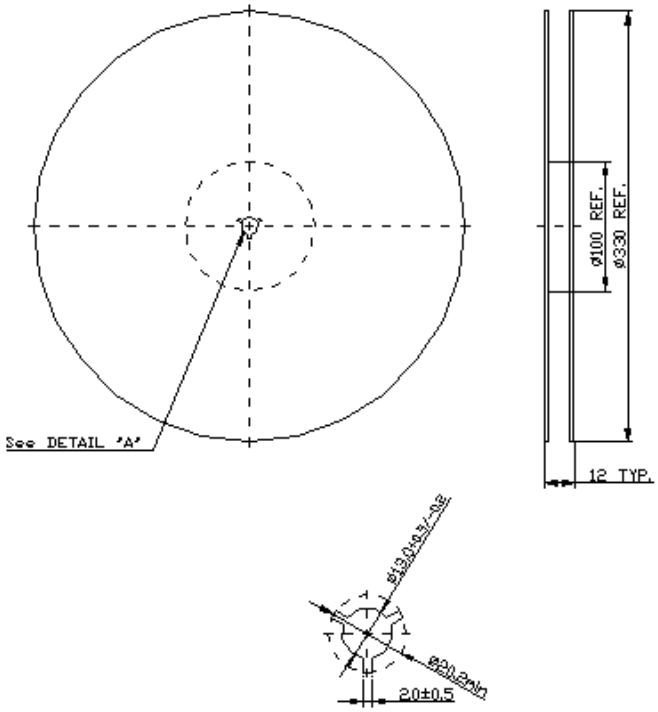
S22



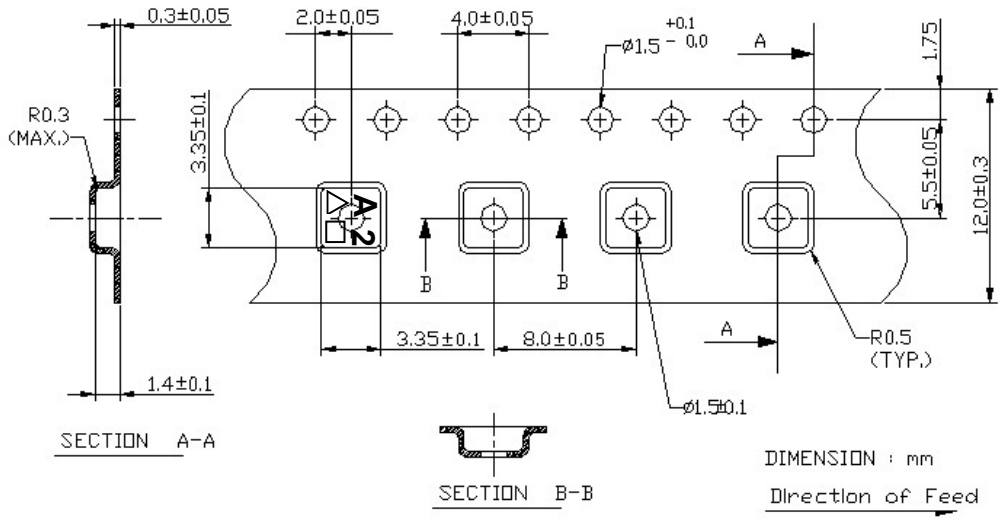
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7”=1000 ; 13”=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

