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 1575.42MHz SMD 3.0X3.0 mm (BW=2MHz)

TST Part No.: TA1576BB

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Kevin Kevin

Approved by: Francis Chen

Date: 2011/5/2

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 1575.42 MHz

MODEL NO.: TA1576BB REV. NO.:1

RoHS Compliant
Lead free
Lead-free soldering

A. MAXIMUM RATING:

1.Input Power Level: 10 dB_m

2.DC voltage: 5 V

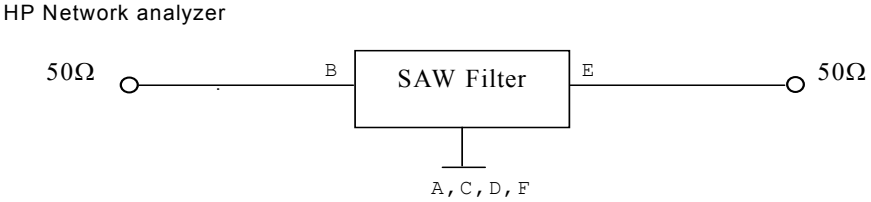
3.Operating Temperature: : -40°C ~ +85°C

4.Storage Temperature: -40°C ~ +105°C

B. ELECTRICAL CHARACTERISTICS:

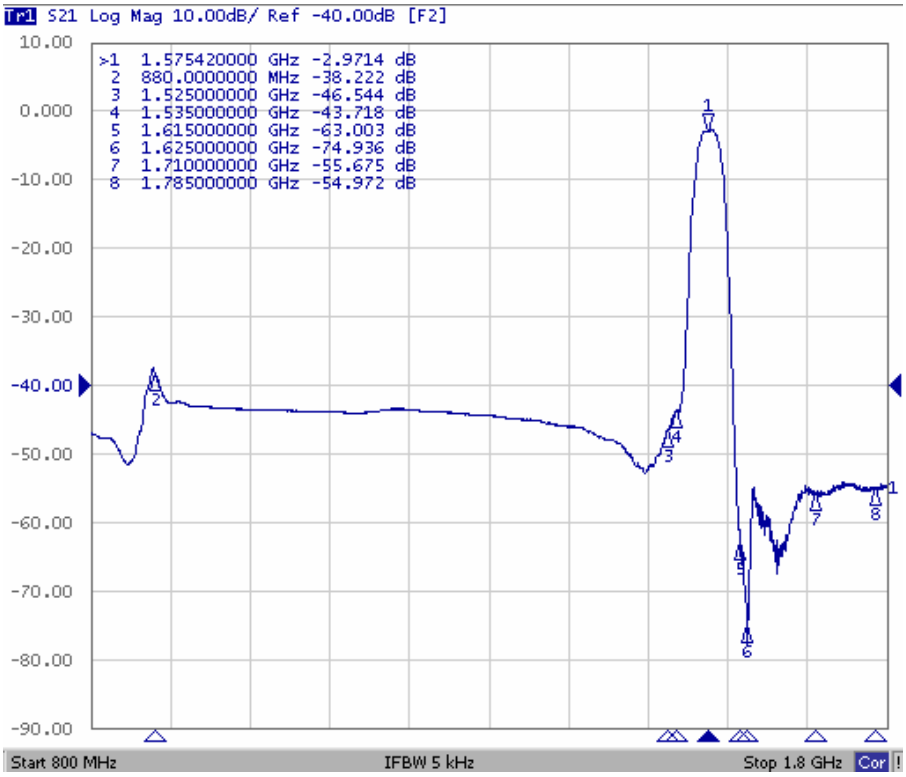
Item			Min.	Typ.	Max.
Center frequency	**Fc**	(dB)	-	1575.42	-
Insertion loss within **Fc** +/- 1 MHz	**IL**	(dB)	-	2.8	3.5
Amplitude ripple (p-p) within **Fc** +/- 1 MHz		(dB)	-	0.1	1.0
Attenuation (Reference level from 0 dB)					
880 ~ 915 MHz		(dB)	35.0	37.0	-
1525.42 MHz		(dB)	30.0	47.0	-
1535.42 MHz		(dB)	20.0	44.5	-
1615.42 MHz		(dB)	20.0	62.5	-
1625.42 MHz		(dB)	30.0	75.0	-
1710 ~ 1785 MHz		(dB)	50.0	54.0	-
VSWR within **Fc** +/- 1 MHz			-	1.5	2.5
Source impedance	Zs	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

C. MEASUREMENT CIRCUIT:

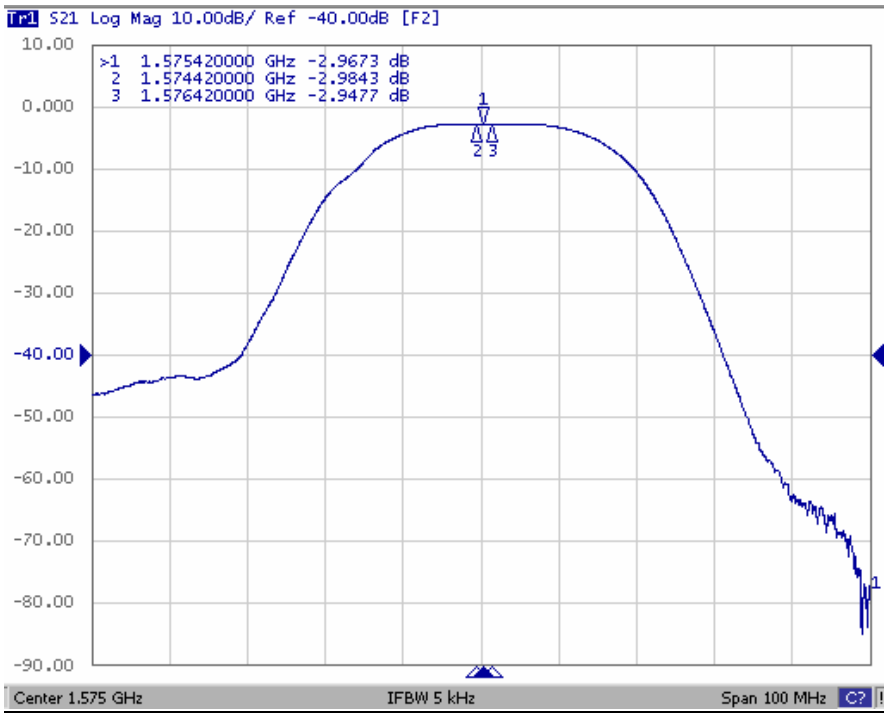


D. Frequency Characteristics :

1. Wideband response (span: 800~1800MHz)

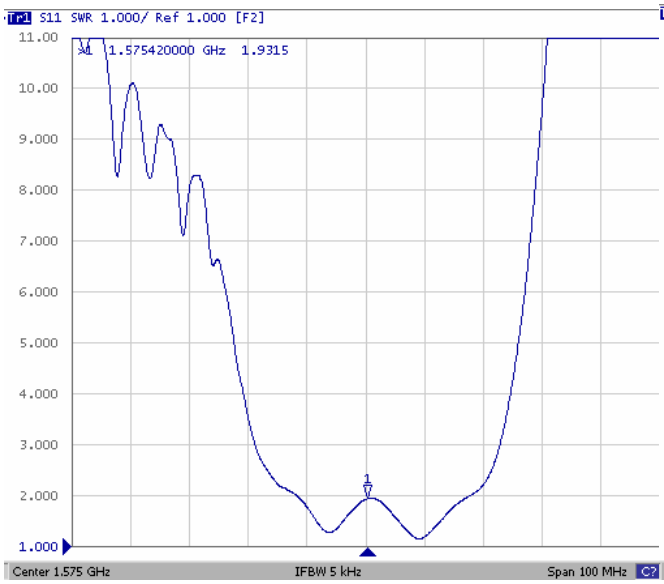


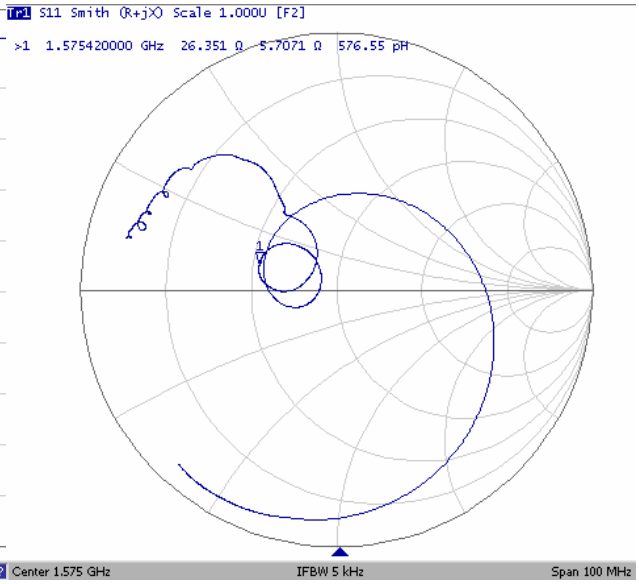
2. Narrow-band response (span: 100MHz)



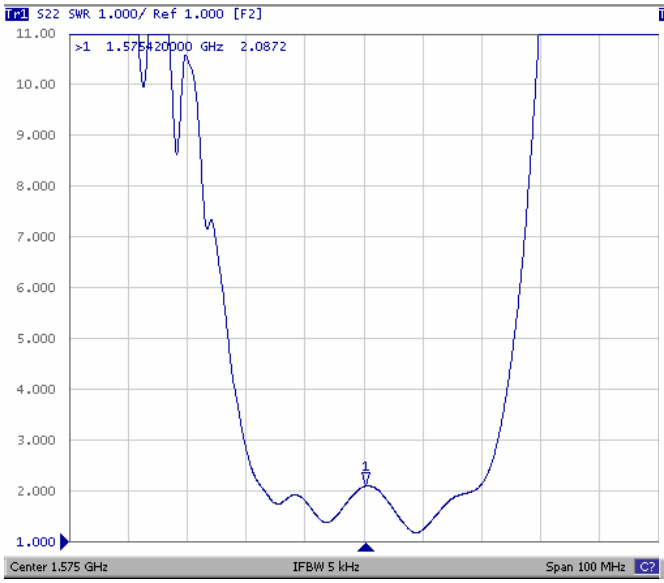
3. VSWR & Smith Chart

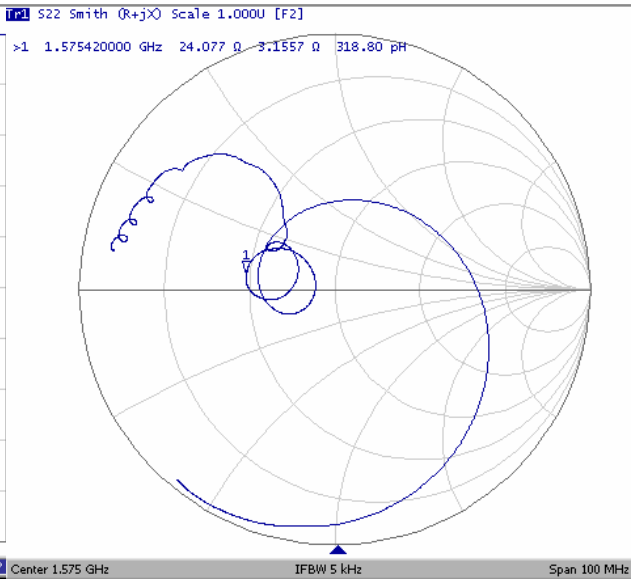
(1)S11



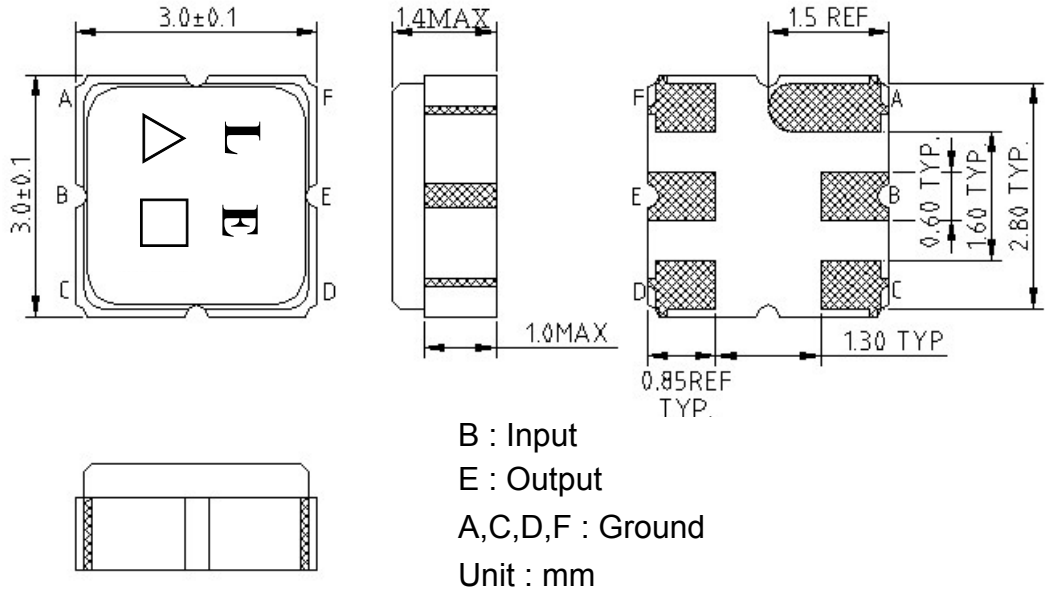


(2)S22





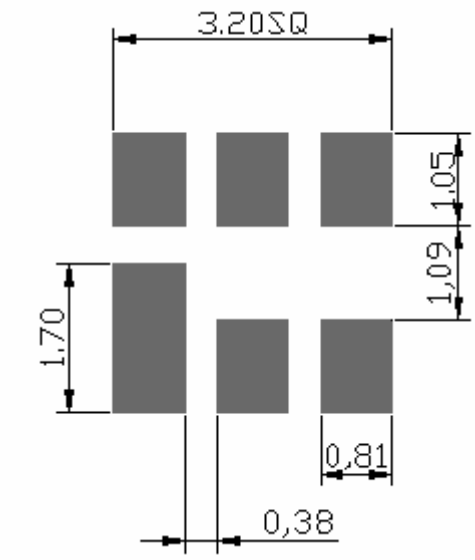
E.OUTLINE DRAWING:



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

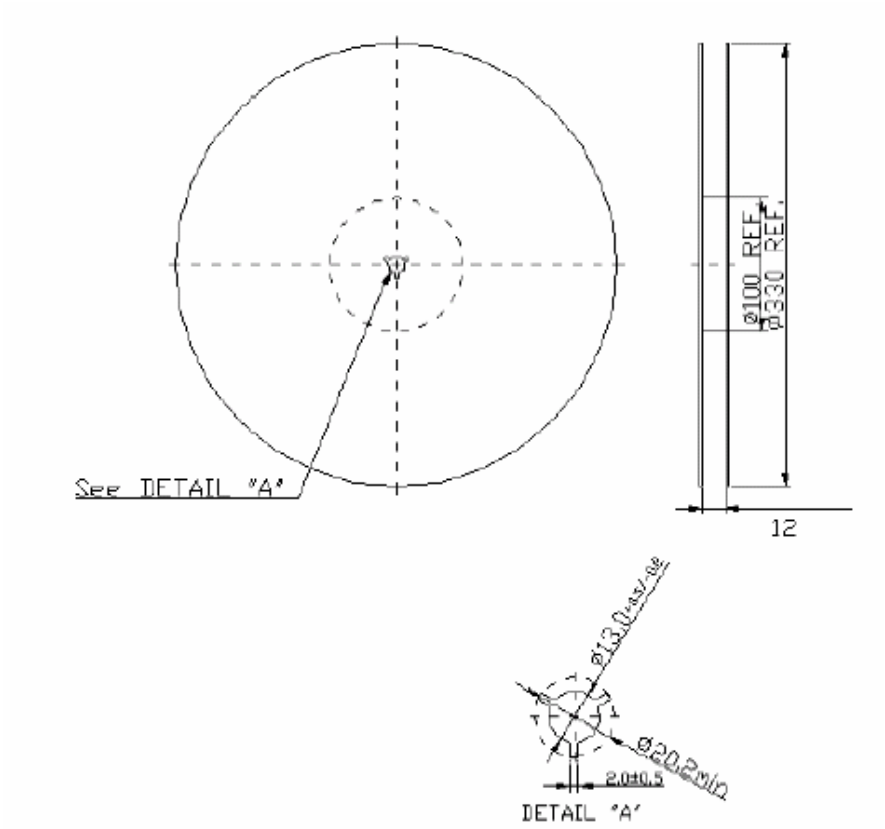
△ : Year Code (2011->1, 2012->2 …, 2019->9)
□ : Date Code (W01->A,W02->B,…W27->a,…,W52->z)

F. PCB Footprint：

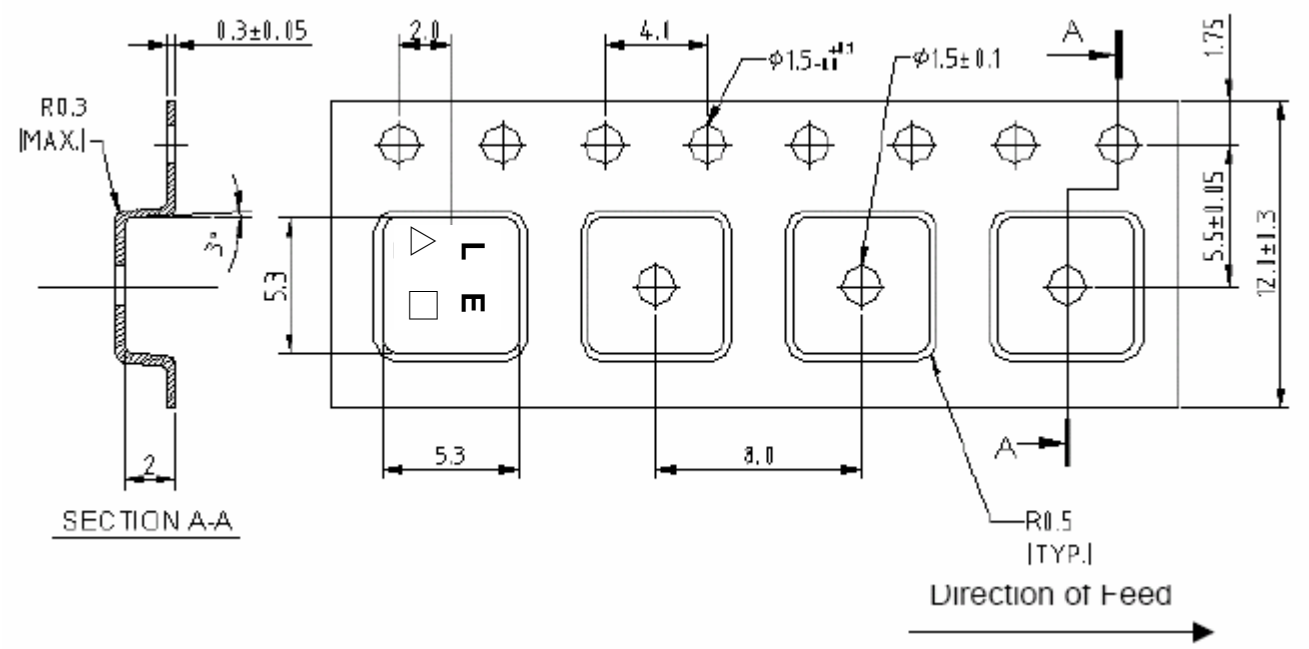


G. PACKING:

1. Reel dimension



2. Tape dimension



H. Reflow profile