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 1586 MHz SMD 3.0X3.0 mm (BW=42MHz)

TST Part No.: TA1586BB

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Kevin Kevin

Approved by: Francis Chen

Date: 3/23/2011

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.

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SAW Filter 1586MHz

MODEL NO.:TA1586BB REV. NO.:1

A. MAXIMUM RATING:

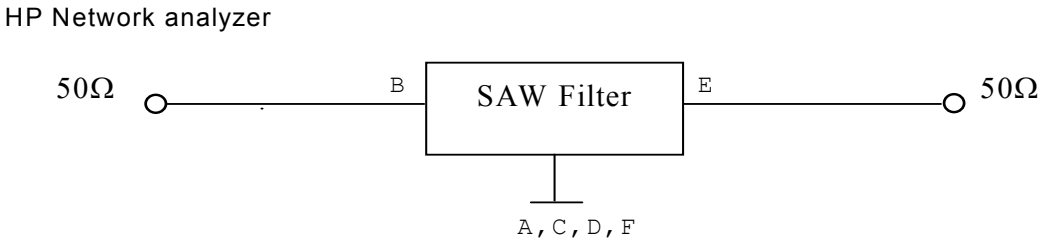
1. Input Power Level: 20 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

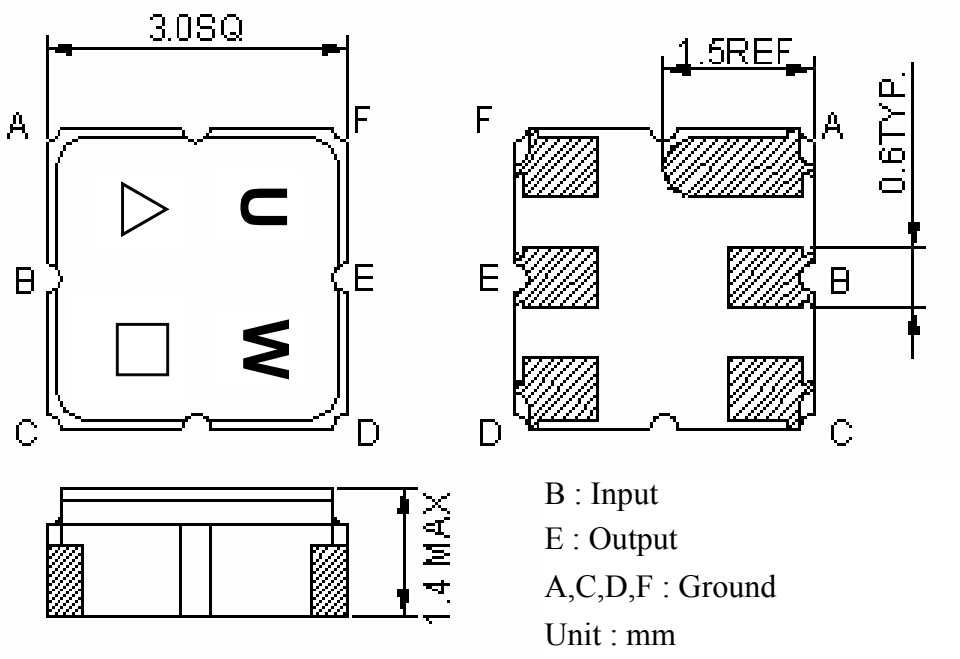
B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Typ.	Max.
Center frequency, Fc		MHz	-	1586	-
Insertion loss, IL (1565 ~ 1607 MHz)		dB	-	1.2	3.8
Amplitude ripple (1565 ~ 1607 MHz)		dB	-	0.9	2.5
VSWR (1565 ~ 1607 MHz)			-	1.8	2.3
Attenuation (Reference level from 0 dB)					
D.C. ~ 600 MHz		dB	30	38	-
600 ~ 1500 MHz		dB	27	37	-
1500 ~ 1530 MHz		dB	20	38	-
1630 ~ 1675 MHz		dB	20	41	-
1675 ~ 3000 MHz		dB	30	31	-
Source impedance	Z_S	Ω	-	50	-
Load impedance	Z_L	Ω	-	50	-

C. MEASUREMENT CIRCUIT:



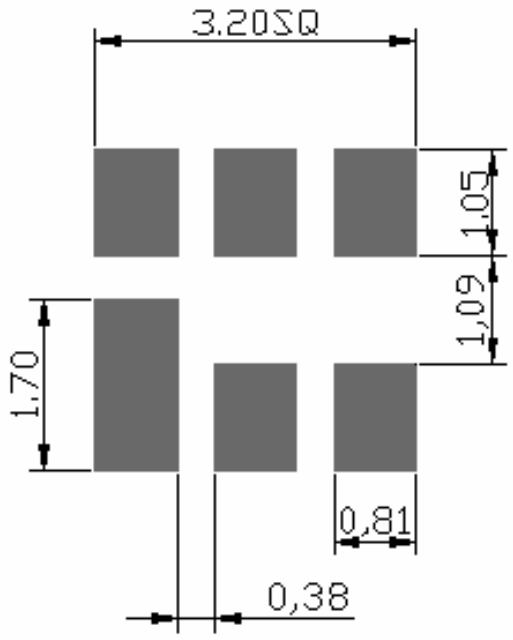
D.OUTLINE DRAWING:



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

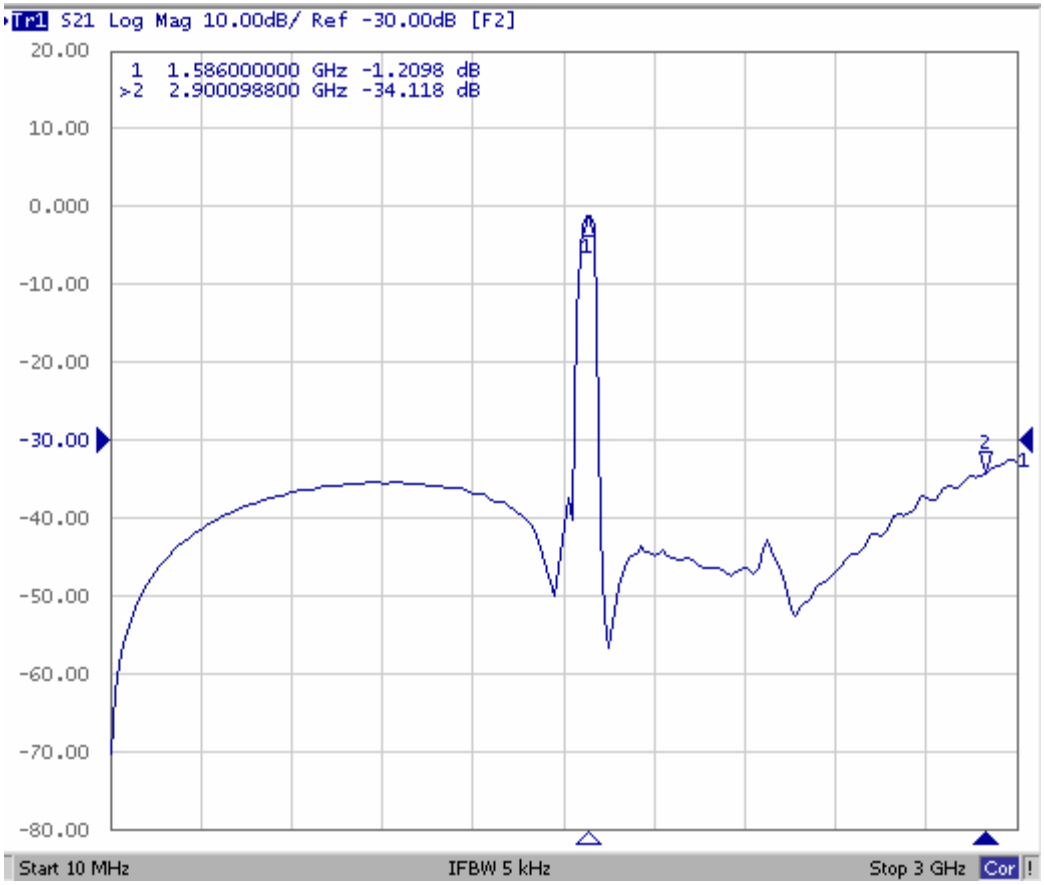
△ : Year Code (2011->1, 2012->2 …, 2019->9)
□ : Date Code (W01->A,W02->B,…W27->a,…,W52->z)

E. PCB Footprint:

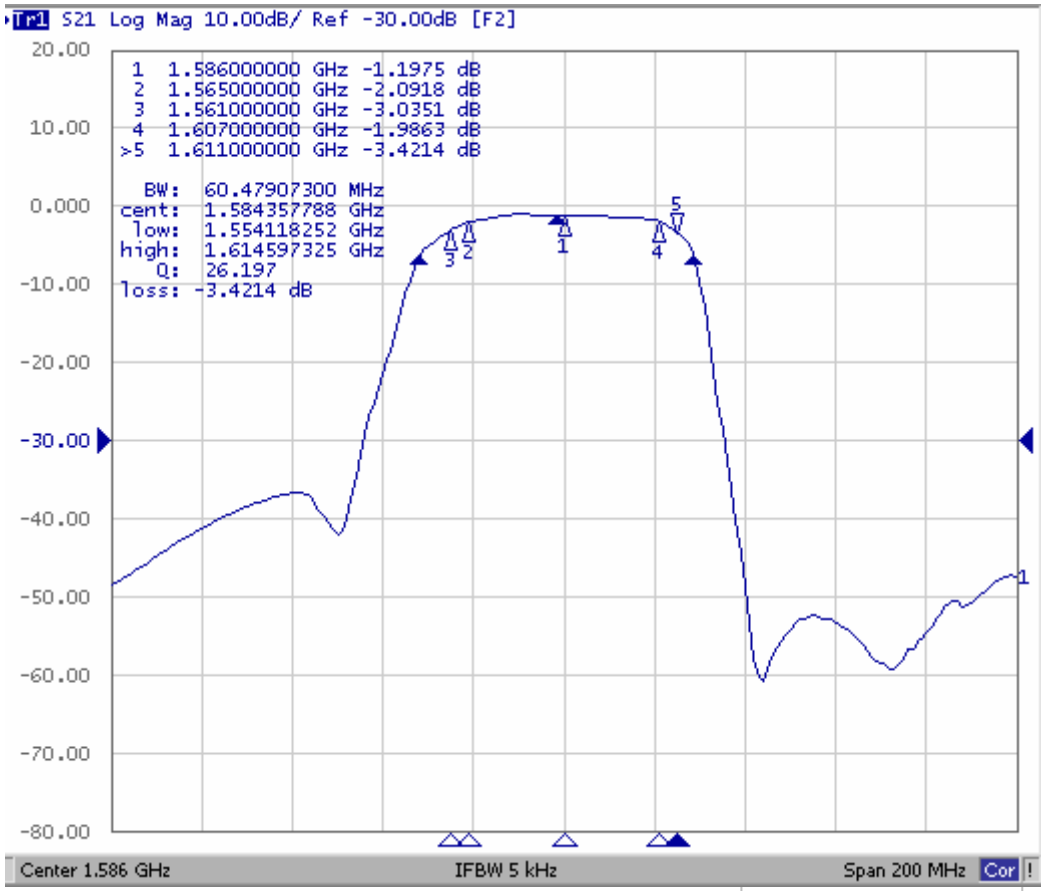


F. Frequency Characteristics :

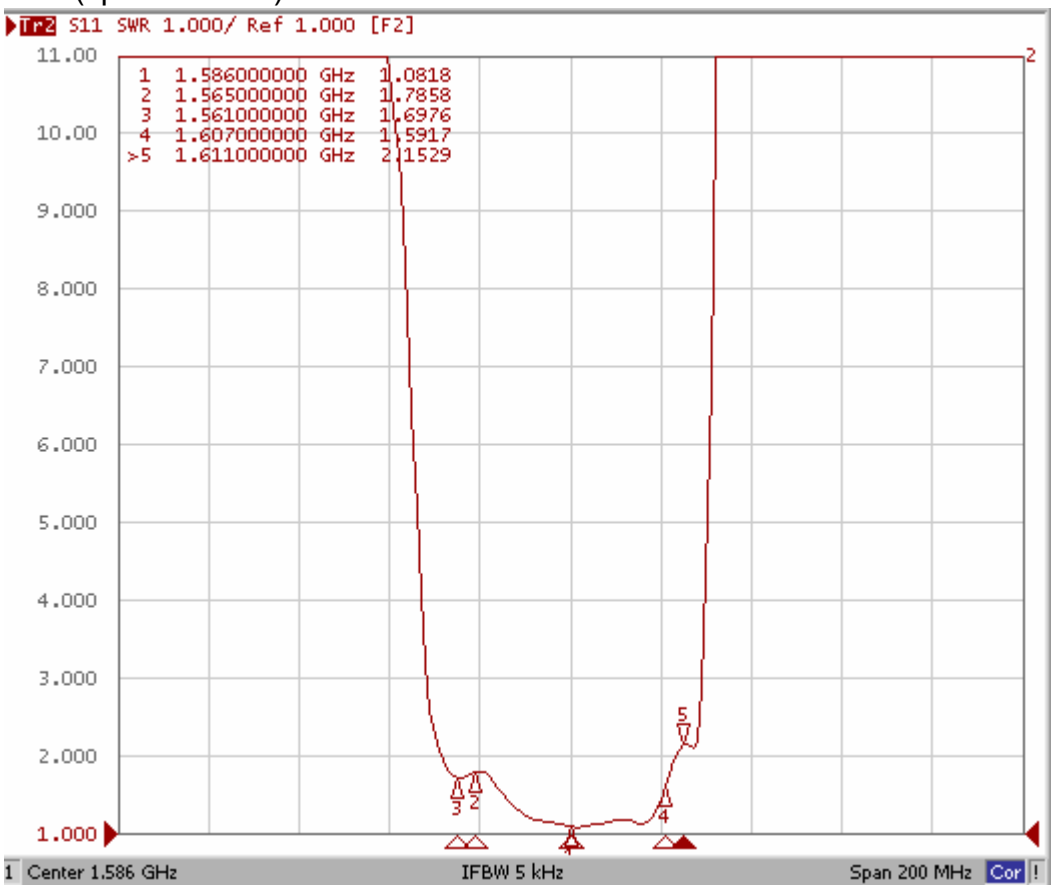
(1) Wideband response: (1~3000MHz)



(2) Narrowband response:(span200MHz)



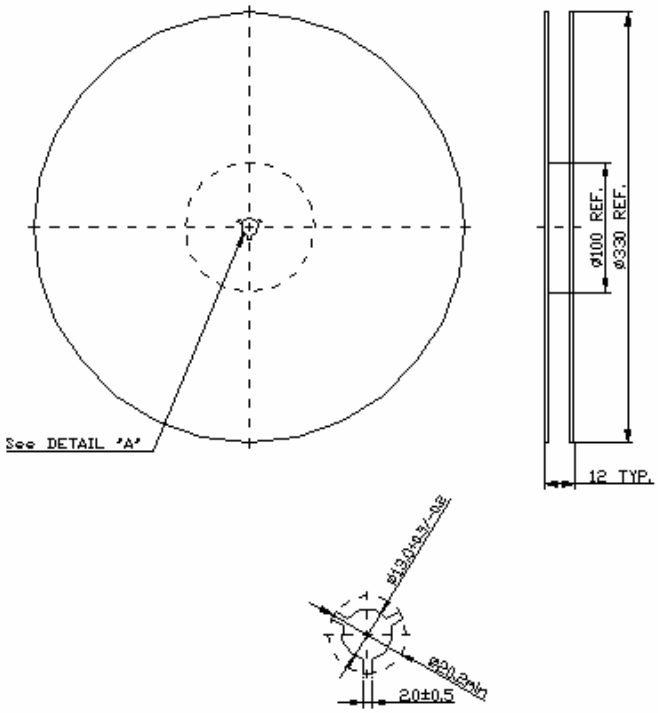
(3) VSWR(span200MHz)



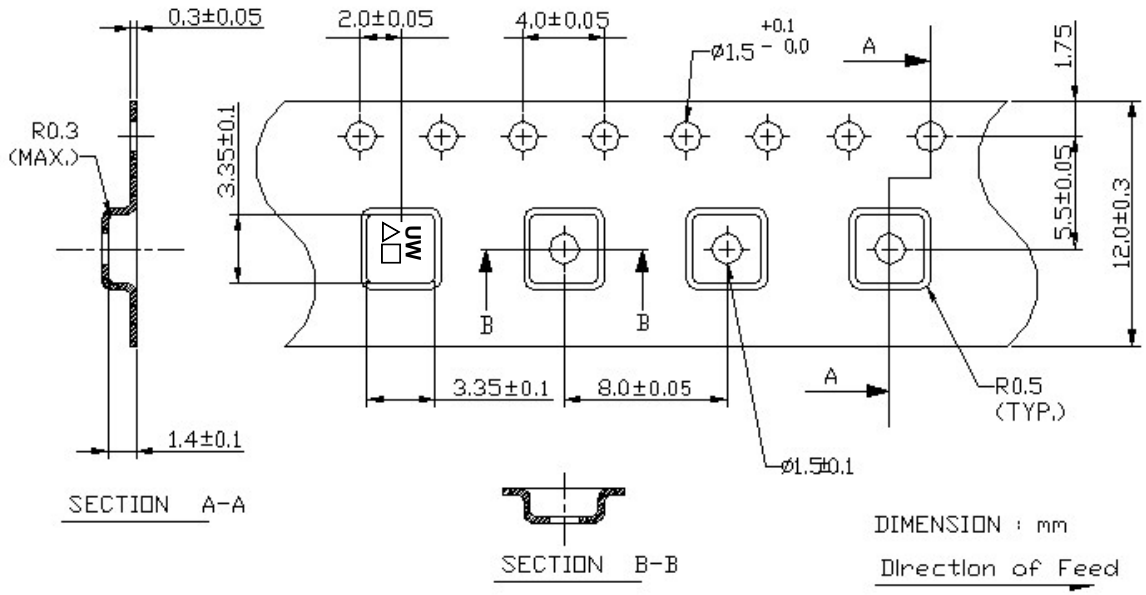
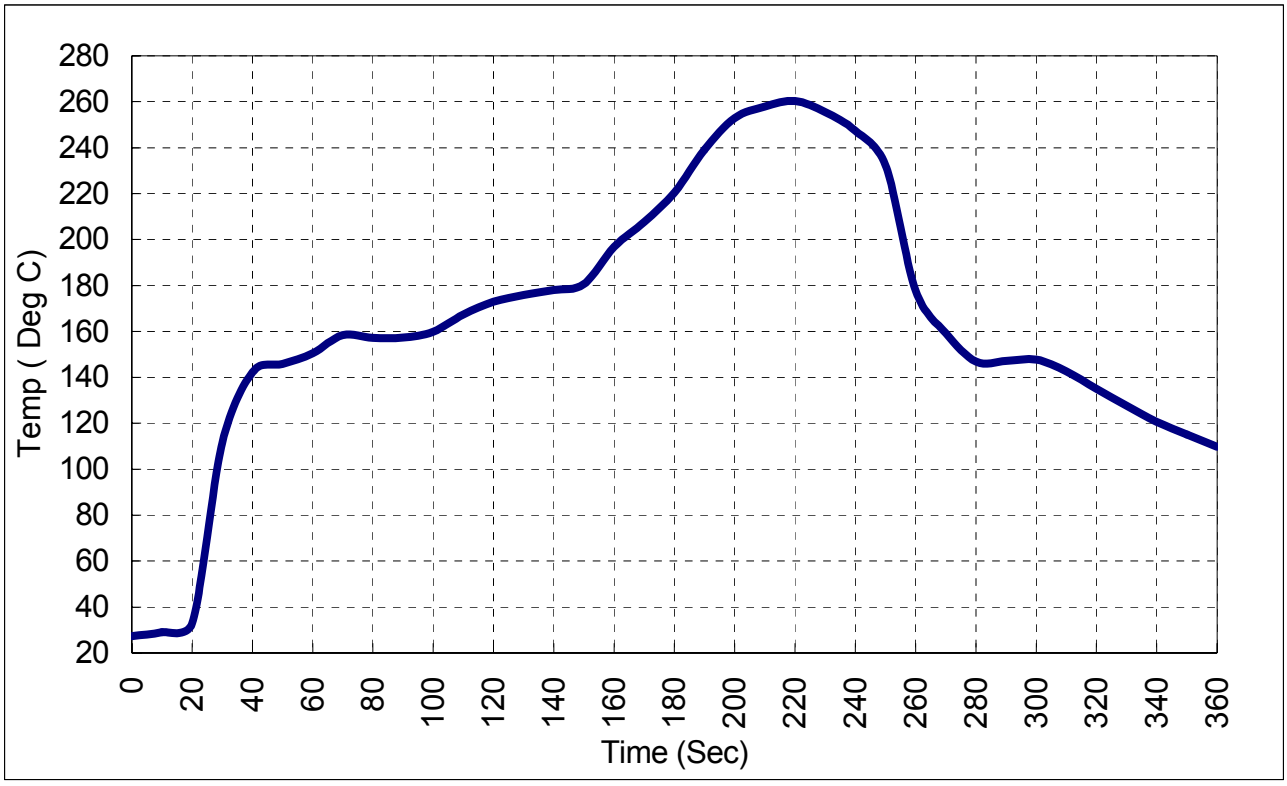
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7”=1000 ; 13”=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :