TST **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 1642.5 MHz SMD 3.0X3.0 mm

TST Part No.: TA1307A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau _____

Approved by:_____ Francis Chen _____

Date:_____ 2, 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 1642.5 MHz

MODEL NO.:TA1307A REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

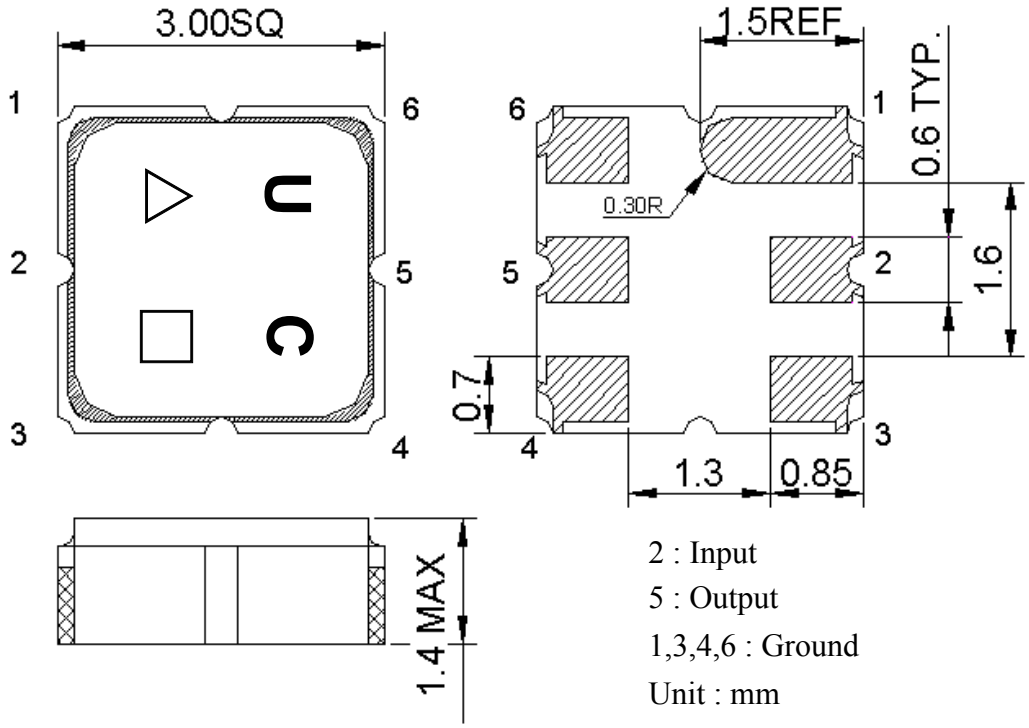
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single ended) : Zs = 50 Ω

Terminating load impedance (single ended) : Z_L = 50 Ω

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency **Fc**	MHz	-	1642.5	-	-
Insertion Loss (1625 ~ 1660 MHz)	dB	-	1.8	3.5	-
Amplitude ripple (1625 ~ 1660 MHz)	dB	-	0.7	2	-
VSWR (1625 ~ 1660 MHz)		-	1.7	2.3	-
Attenuation (reference level from 0 dB)					
DC ~ 1500 MHz	dB	21	29	-	-
1525 ~ 1559 MHz	dB	30	36	-	-
1700 ~ 2050 MHz	dB	30	32	-	-
2050 ~ 3500 MHz	dB	25	32	-	-
Temperature Coefficient of Frequency	ppm/℃	-	-36	-	-

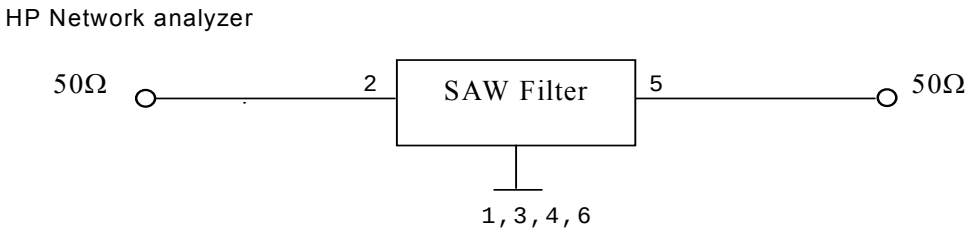
C.OUTLINE DRAWING:



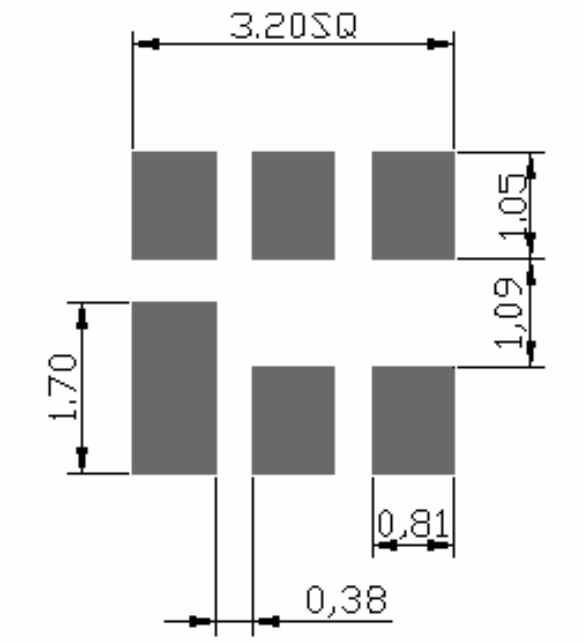
2 : Input
5 : Output
1,3,4,6 : Ground
Unit : mm

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

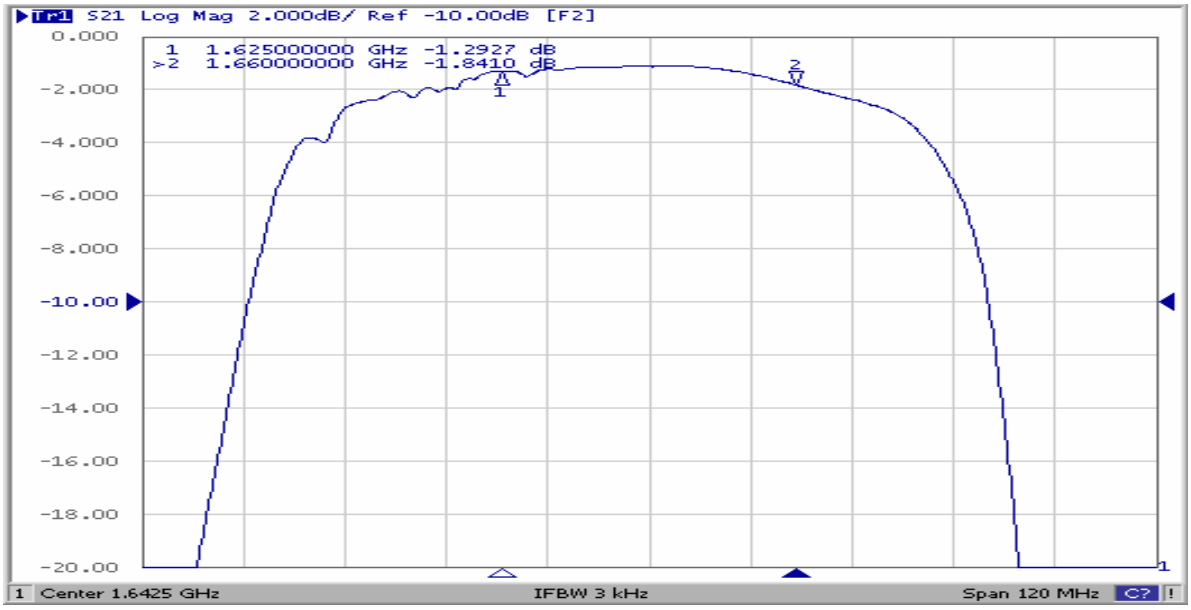
D. MEASUREMENT CIRCUIT:

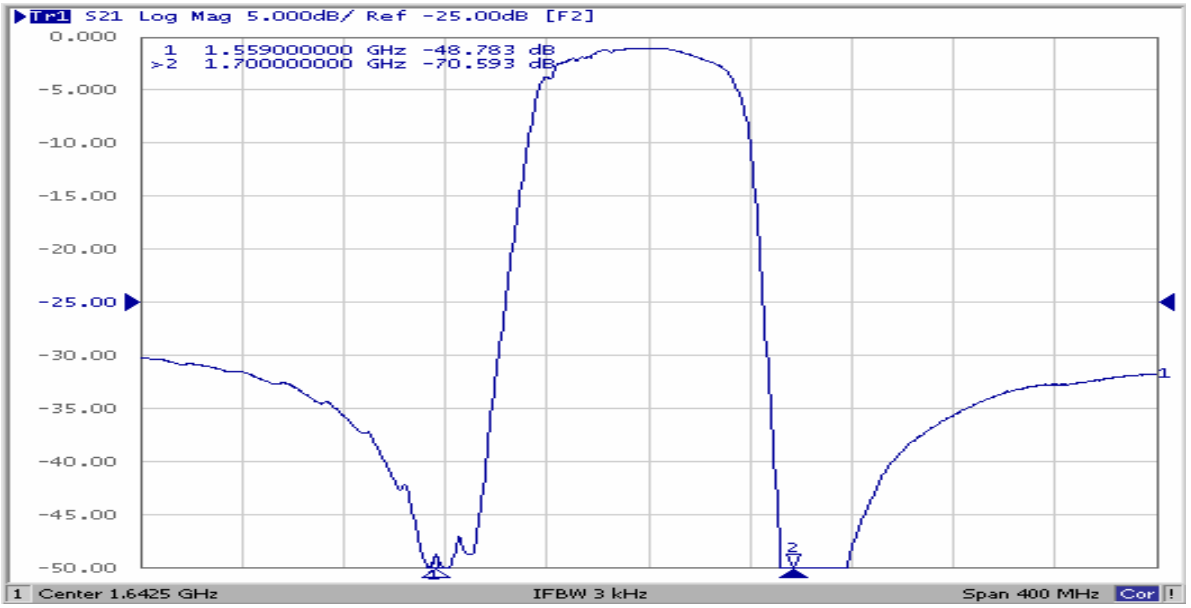


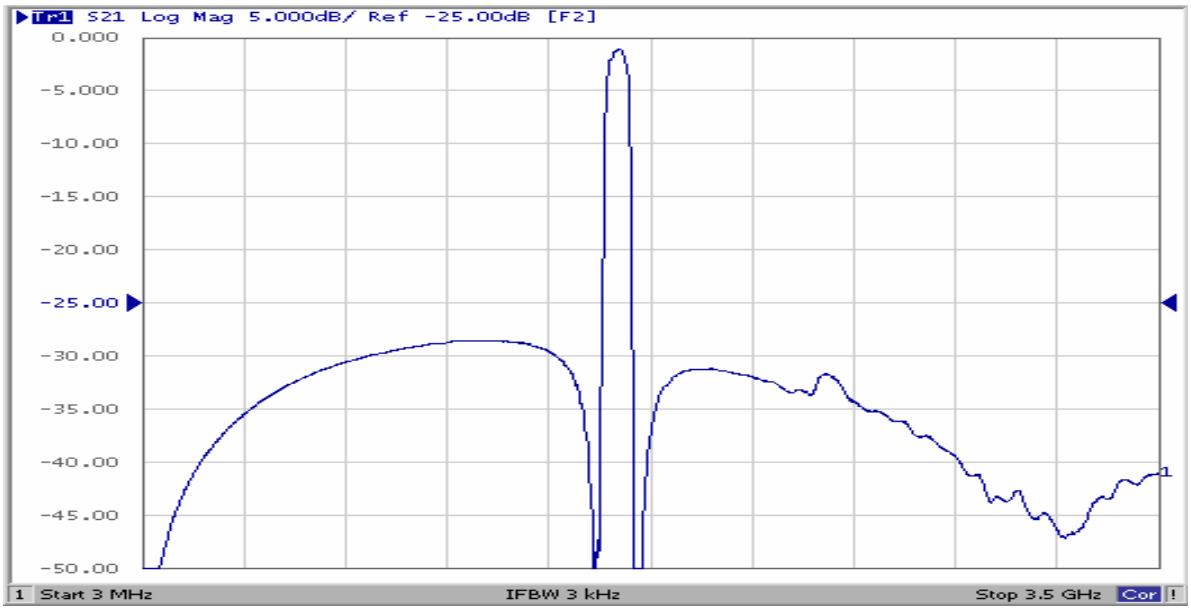
E. PCB Footprint:



F. Frequency Characteristics :

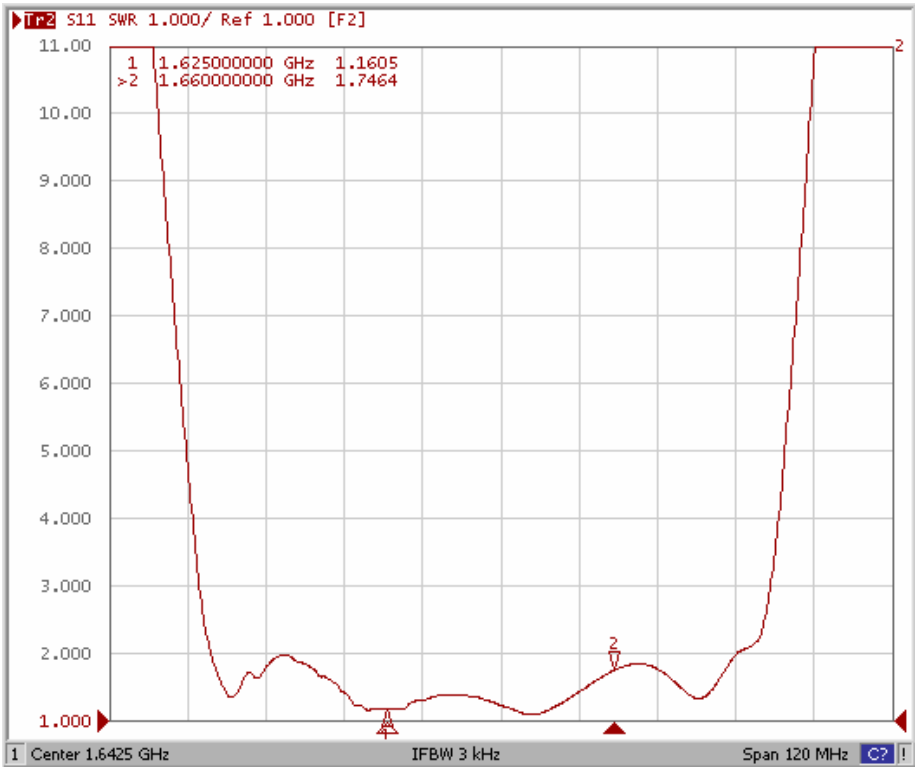




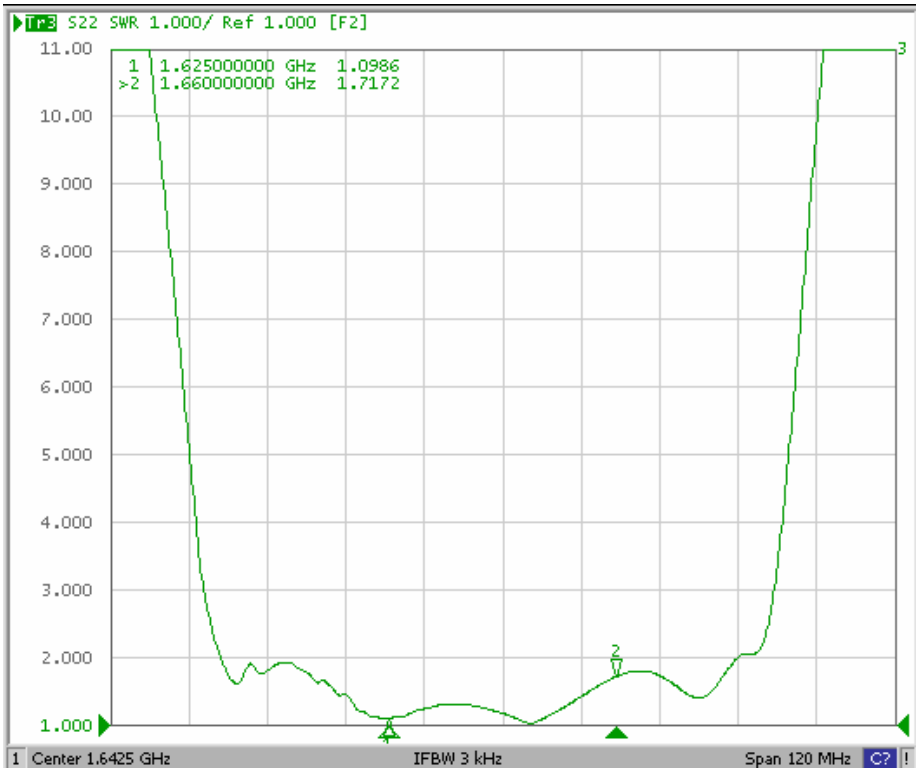


Reflection Functions :

S11

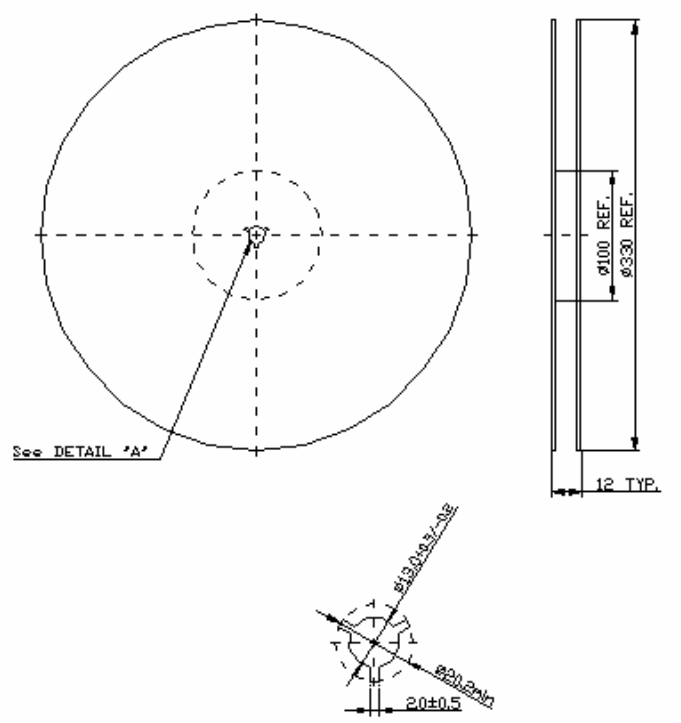


S22

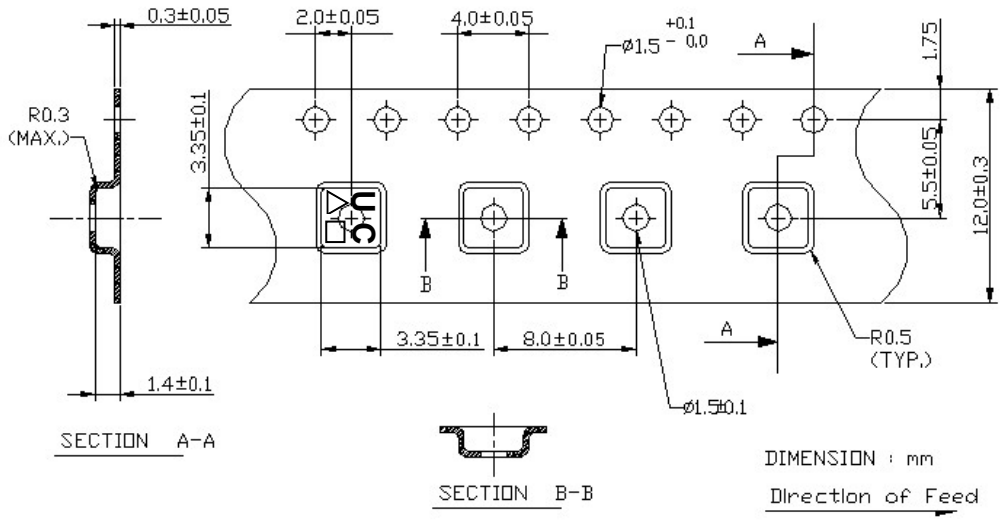


G. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :