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 1161 MHz SMD 3.0X3.0 mm(BW=34MHz)

TST Part No.: TA1414B

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Anne Chen 陳秀宜

Approved by: Bob Chau

Date: 01, 27, 2016

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 change

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

SAW Filter 1161 MHz

MODEL NO.:TA1414B REV. NO.:1

A. MAXIMUM RATING:

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

RoHS Compliant
Lead free
Lead-free soldering

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

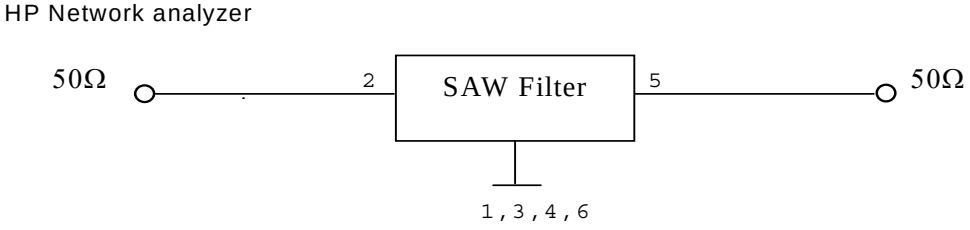
B. ELECTRICAL CHARACTERISTICS:

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

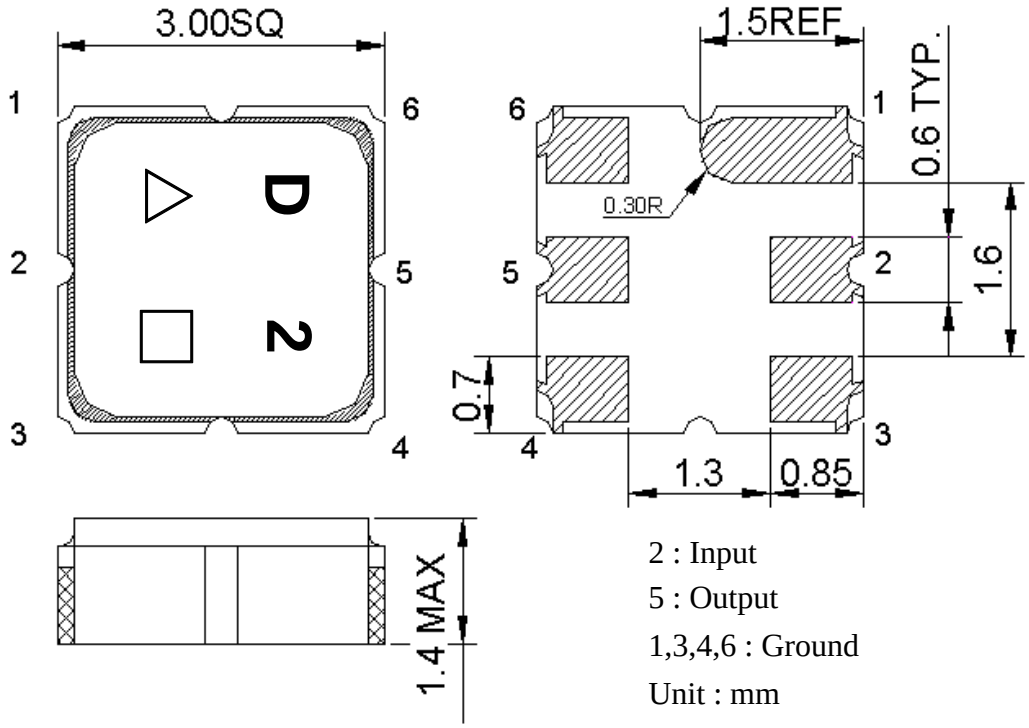
Terminating load impedance (single ended) : Z_L = 50 Ω

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency **Fc**	MHz	-	1161	-	-
Insertion Loss (1144 ~ 1178 MHz)	dB	-	2.9	4	-
Amplitude Variation (1144 ~ 1178 MHz)	dB	-	0.8	2	-
Amplitude Variation over 3 MHz	dB	-	0.3	1	-
VSWR (1144 ~ 1178 MHz)		-	2	2.4	-
Group Delay Variation over 3 MHz	ns	-	4.5	20	-
Attenuation (reference level from 0 dB)					
DC~1123 MHz	dB	30	47	-	-
1197~1223 MHz	dB	6	20	-	-
1223~2000 MHz	dB	30	44	-	-
Temperature Coefficient of Frequency	ppm/℃	-	-36	-	-

C. MEASUREMENT CIRCUIT:



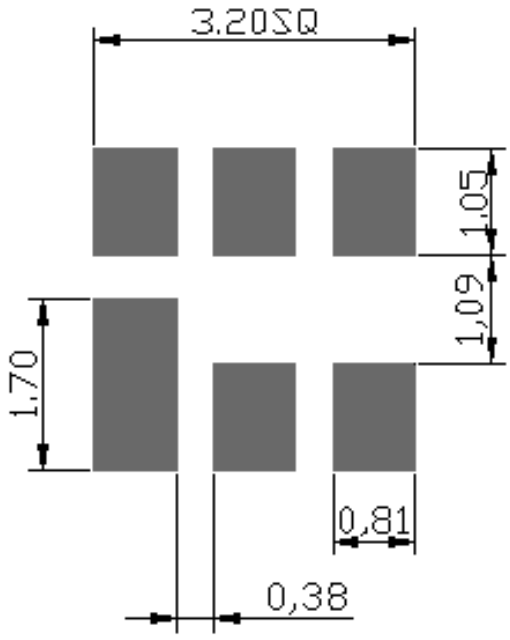
D.OUTLINE DRAWING:



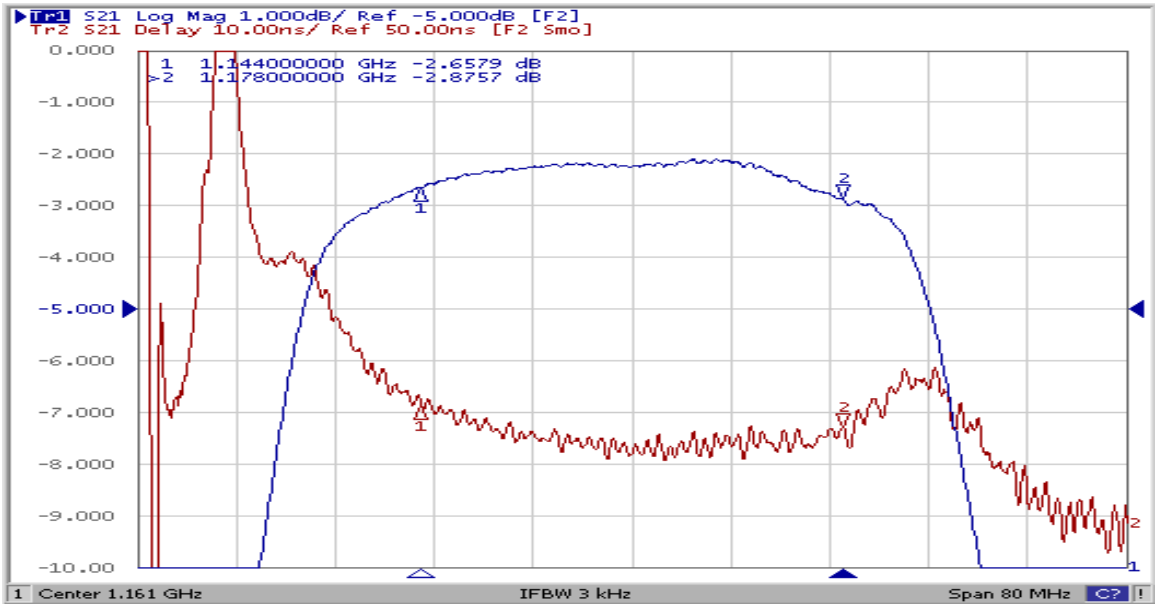
2 : Input
5 : Output
1,3,4,6 : Ground
Unit : mm

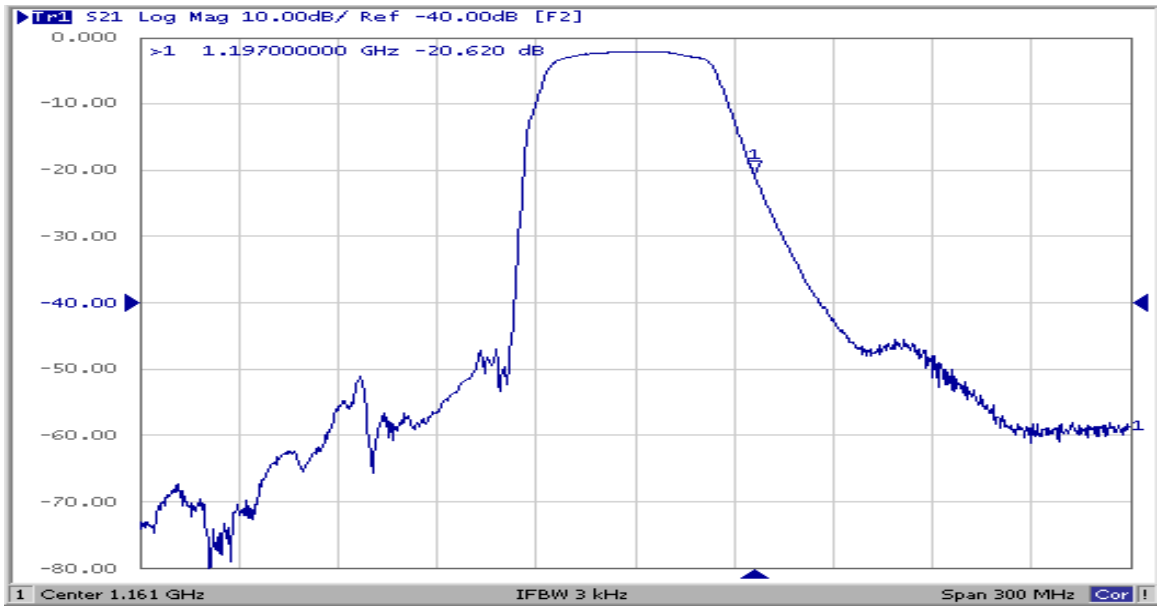
△ : Year Code (2009->9, 2010->0,…, 2018->8)
□ : Date Code (W01->A,W02->B,…W27->a,…,W52->z)

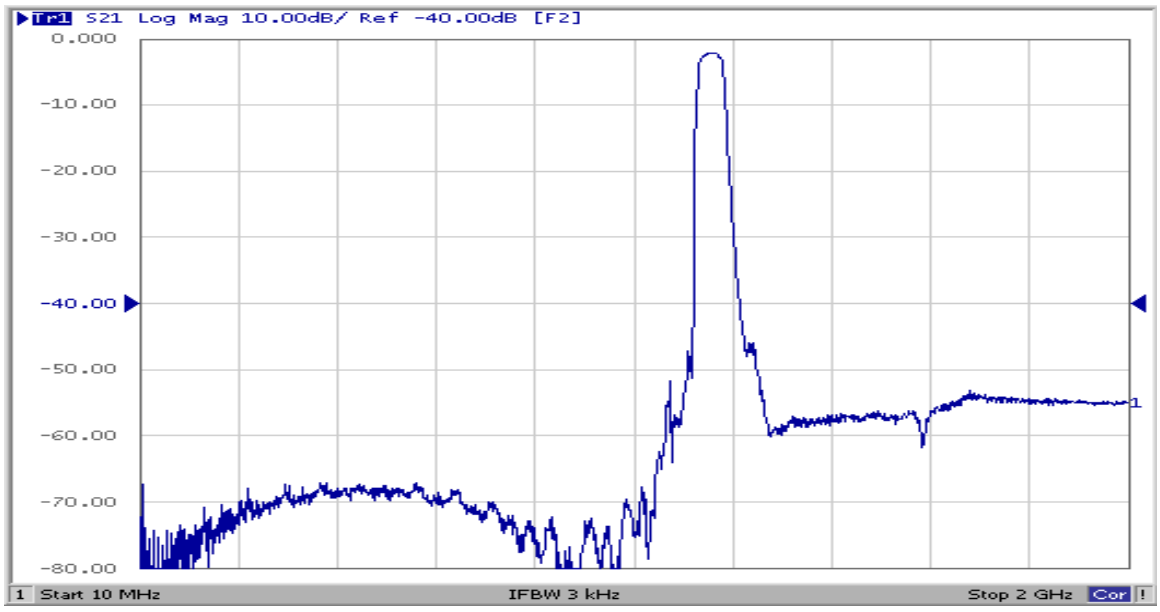
E. PCB Footprint:



F. Frequency Characteristics :

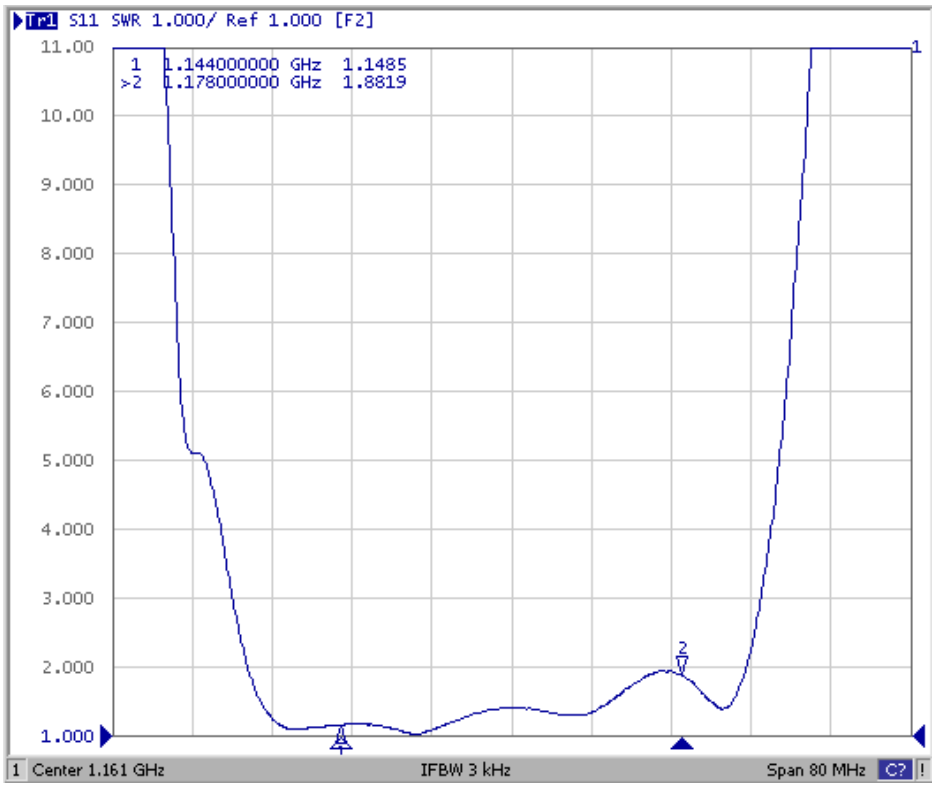




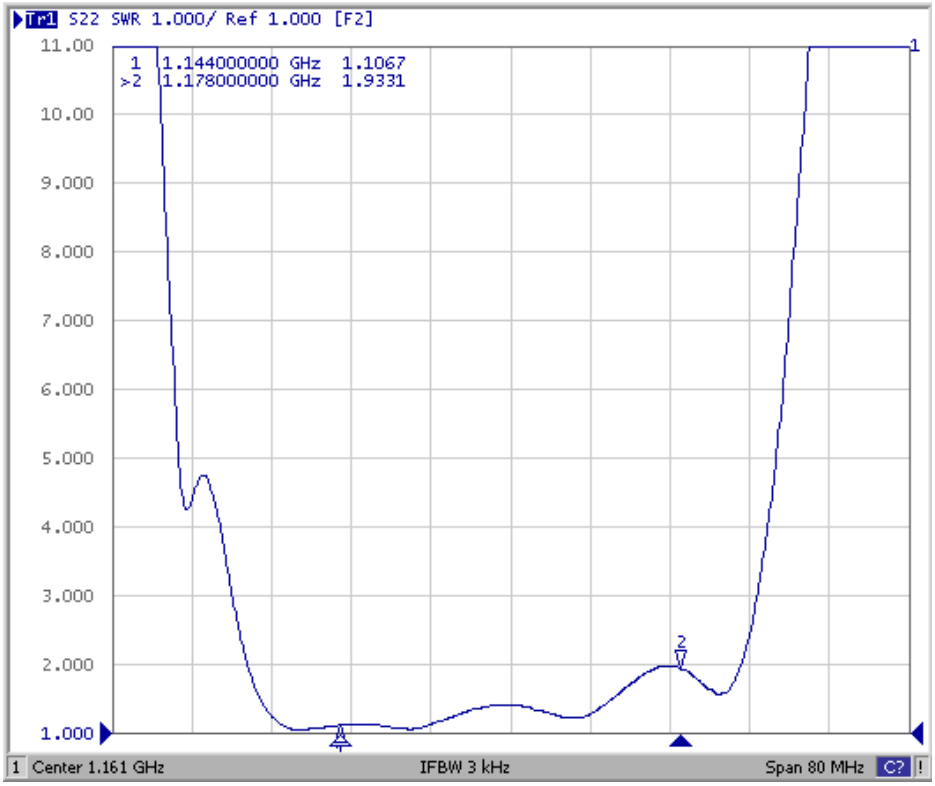


Reflection Functions :

S11



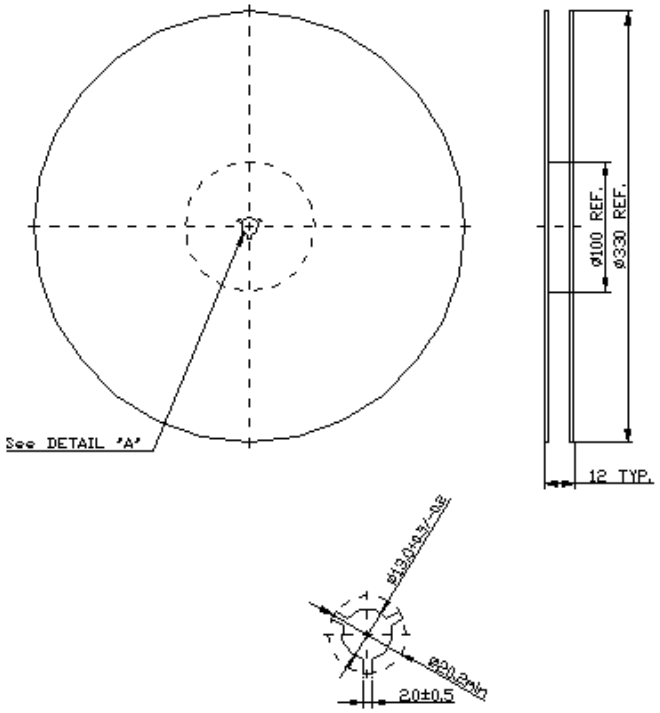
S22



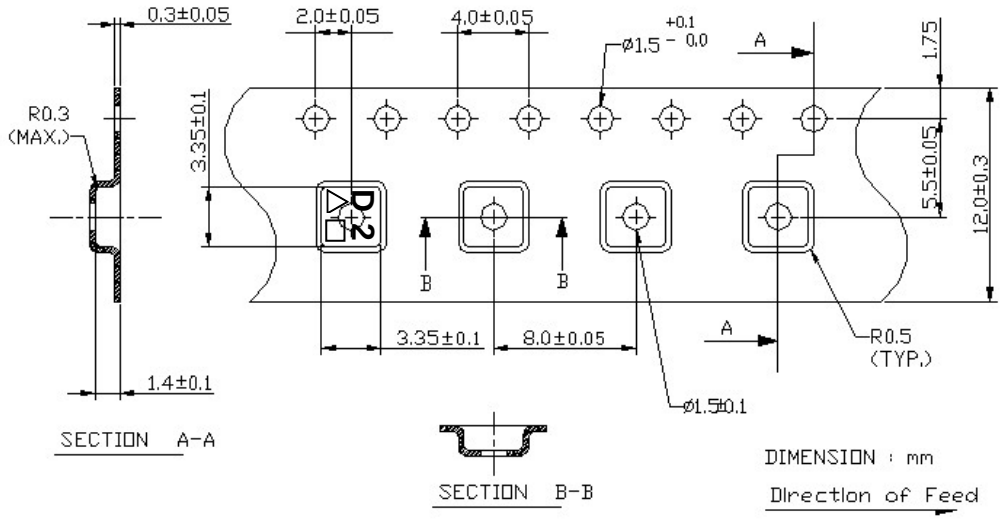
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 245~260℃ peak (min. 10sec).
4. Time : 2 times.