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 Specification Approval Sheet

Product Description: SAW Filter 1220MHz SMD 3.0×3.0mm

TST Part No.:TA0304A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Anne Chen_____

Approval by:_____Andy Yu_____

Date:_____2018/01/23_____

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 1220 MHz

MODEL NO.: TA0304A REV. No.:3

A. MAXIMUM RATING:

1.Operating Temperature: -40°C to +85°C
2.Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

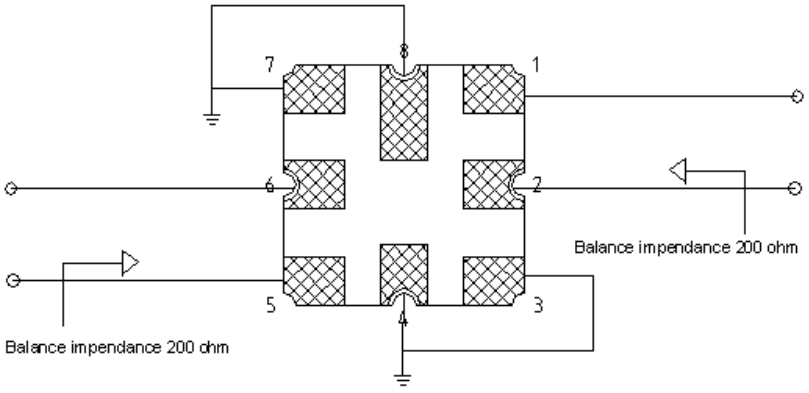
Balanced to balanced operation

Terminating source impedance: Z_S=200Ω

Terminating load impedance: Z_L=200Ω

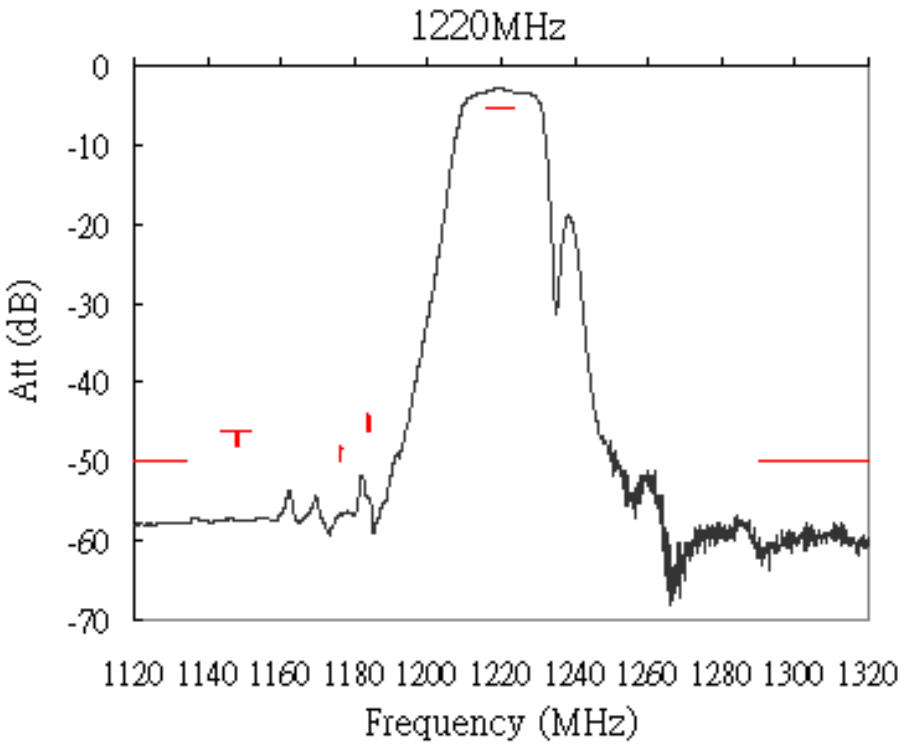
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	1220	-	-
Insertion loss 1216~1224 MHz I.L. dB	-	3.4	5.3	-
Ripple 1216~1224MHz dB	-	0.6	1.8	-
Attenuation:(Reference level from 0 dB)				
1) 500..Fc-91MHz dB	50	57	-	-
2)Fc-91…Fc-85 MHz dB	50	57	-	-
3)Fc-76…Fc-68 MHz dB	46	57	-	-
5) Fc-88 MHz dB	50	57	-	-
6) Fc-72 MHz dB	48	57	-	-
7) Fc-44 MHz dB	50	56	-	-
8) Fc-36 MHz dB	46	55	-	-
9)Fc+70…2000 MHz dB	50	55	-	-
Group delay ripple(p-p) (1216~1224MHz) nS	-	12	-	

C. MEASUREMENT CIRCUIT:

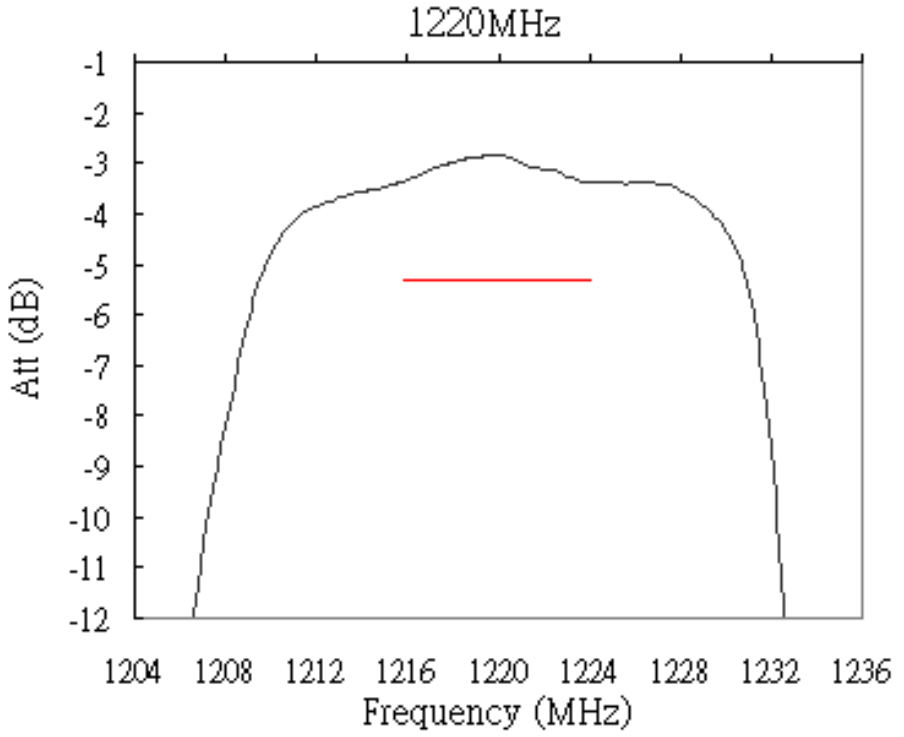


D. Frequency Characteristics :

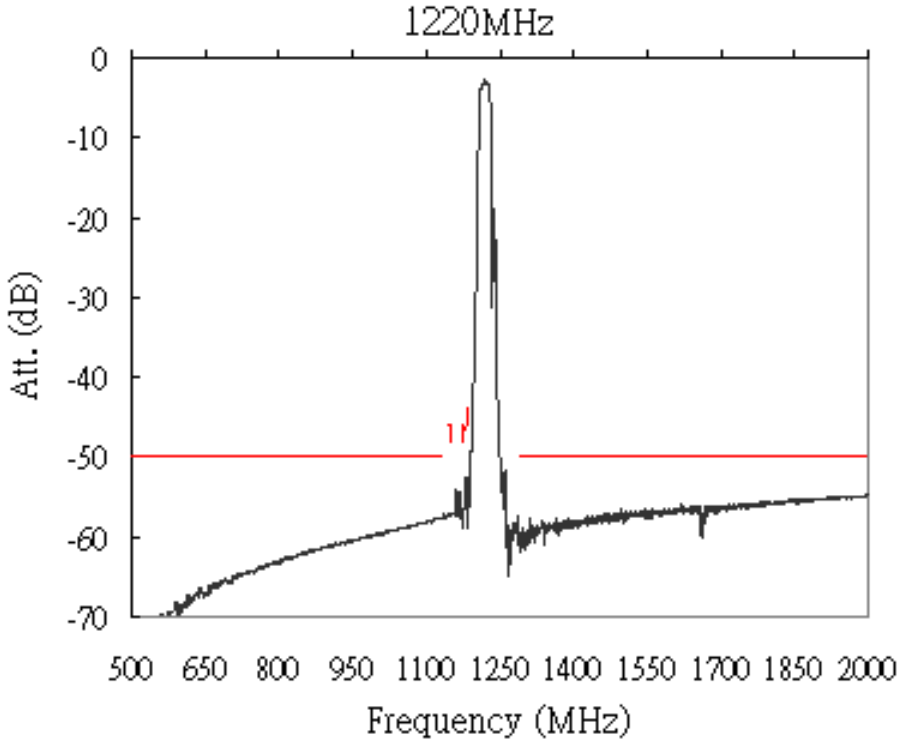
1. Sdd21 Response



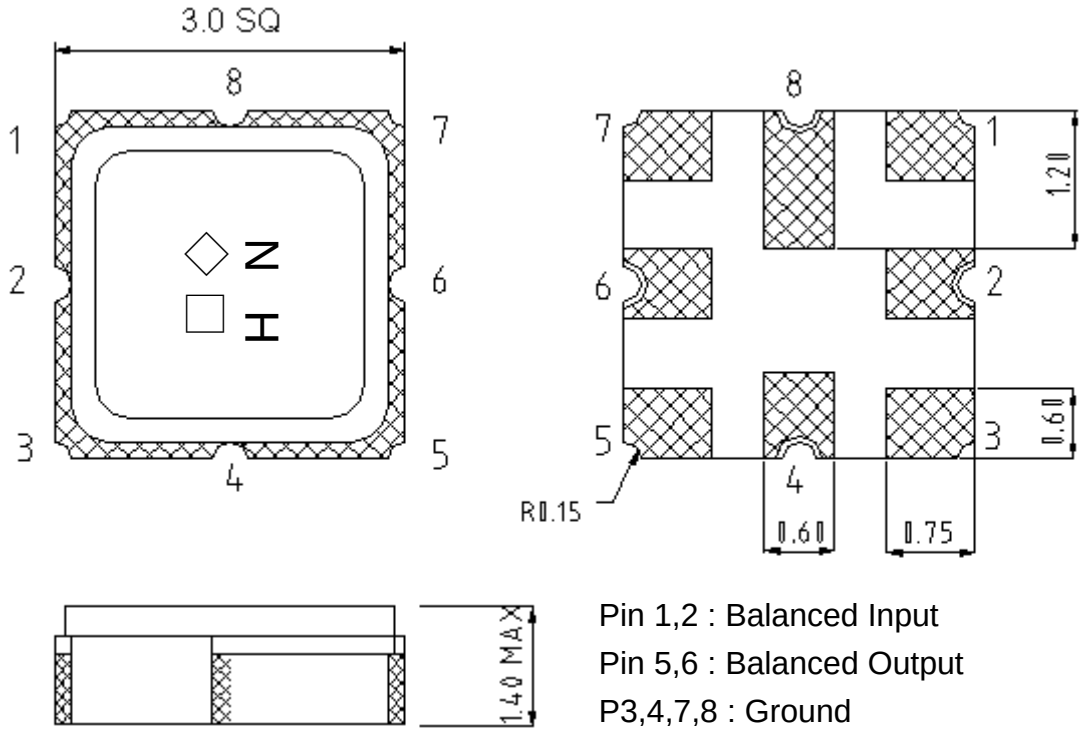
2. Sdd21 Response (Inband)



3. Sdd21 Response (wideband)

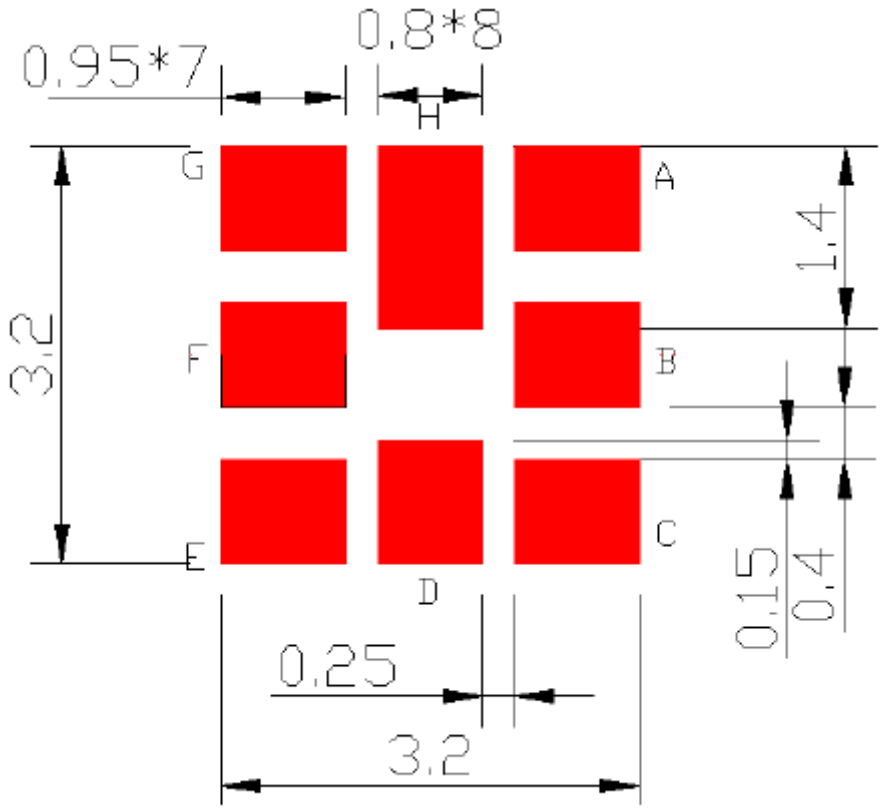


E.OUTLINE DRAWING:



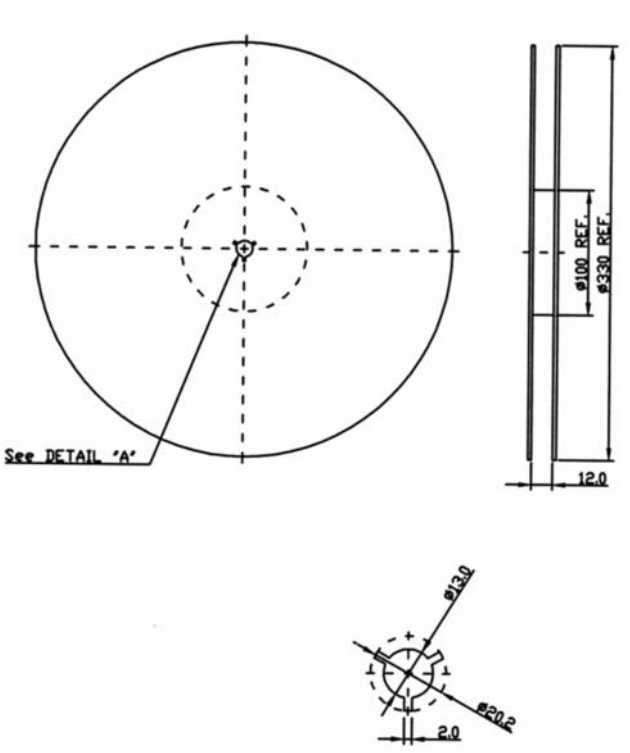
Pin 1,2 : Balanced Input
Pin 5,6 : Balanced Output
P3,4,7,8 : Ground
◇ : Year Code
□ : Date Code
Unit : mm

F. <u>PCB Footprint</u>:

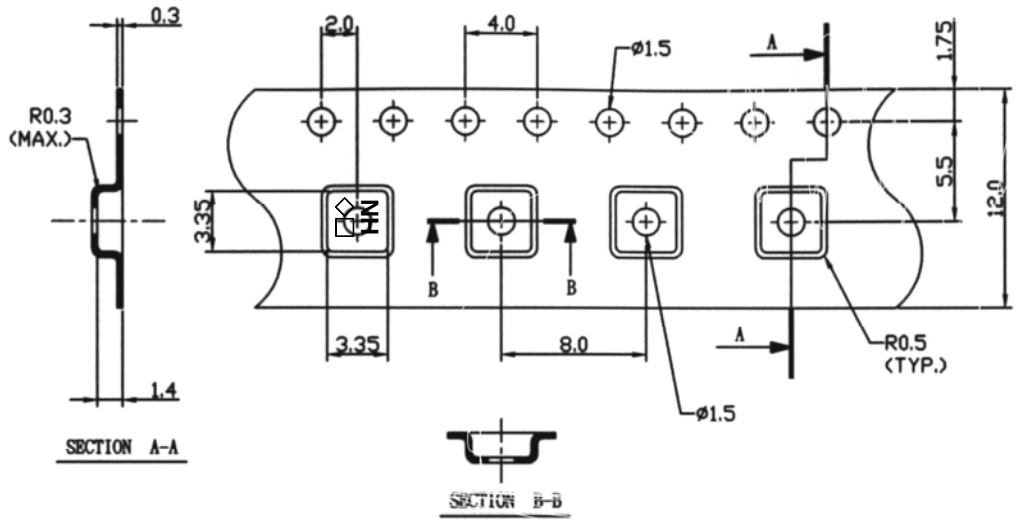


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. <u>Recommended Reflow Profile:</u>

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 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.