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Product Specifications Approval Sheet

Product Description: SAW Filter 1220 MHz

TST Parts No.:TA0194A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Anne Chen

Approval by:_____ Andy Yu

Date:_____ 2019/07/22

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.

SAW Filter 1220 MHz SMD 3.8X3.8mm

MODEL NO.: TA0194A

REV. NO.6.0

A. MAXIMUM RATING:

1. Operating Temperature: -40°C ~ +85°C
2. Storage Temperature: -40°C ~ +85°C
3. Moisture Sensitivity Level: Level 1(MSL1)

RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

Electrostatic Sensitive Device

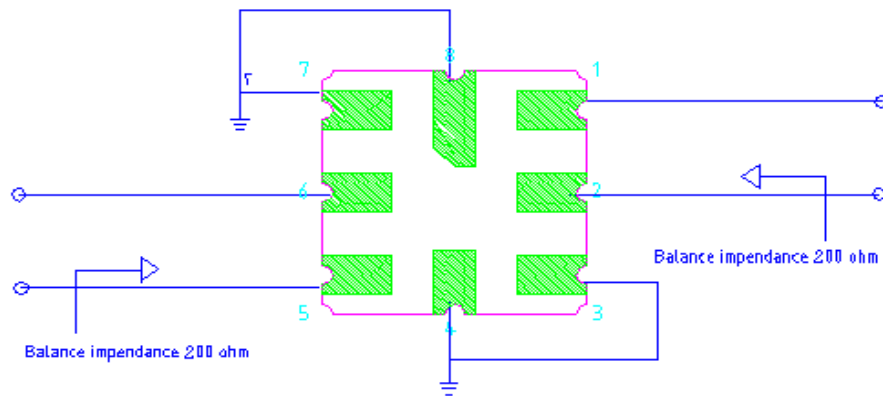
Balanced to Balanced operation

Terminating source impedance : $Z_s = 200 \Omega$

Terminating load impedance : $Z_L = 200 \Omega$

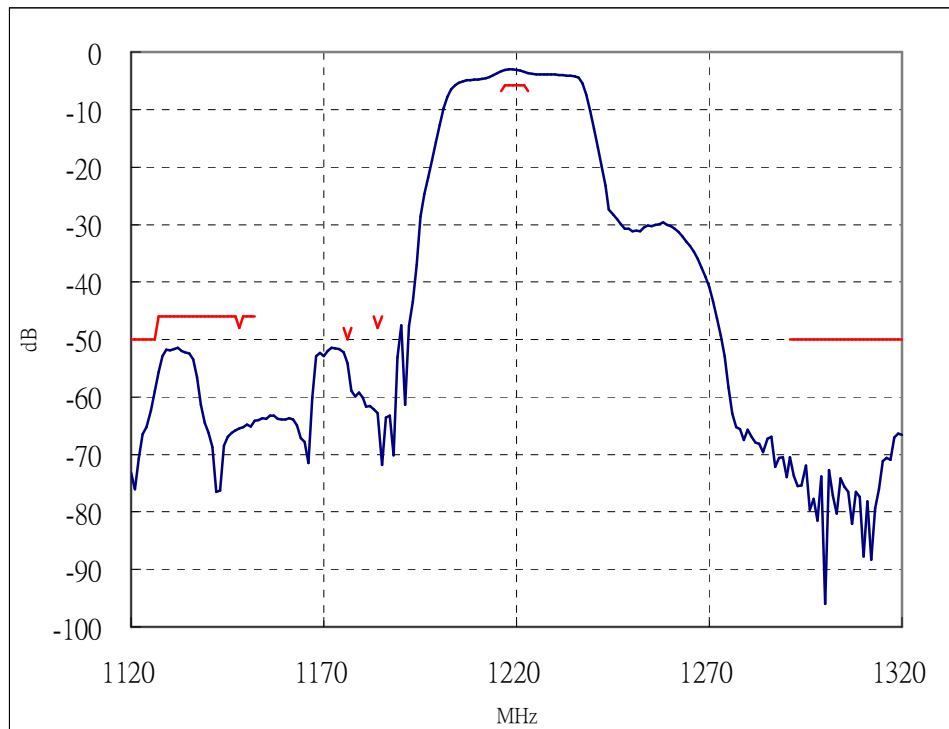
Characteristics		Value			Note
		Min.	Typ.	Max.	
Center frequency F_c	MHz	-	1220	-	-
Insertion loss(1216~1224 MHz) I.L.	dB	-	3.7	4.8	-
Ripple (1216~1224MHz)	dB	-	0.8	1.5	-
Attenuation:(Reference level from 0 dB)					
1)500.. F_c -93	MHz dB	50	60	-	-
2) F_c -93... F_c -85	MHz dB	46	53	-	-
3) F_c -85... F_c -68	MHz dB	46	53	-	-
5) F_c -88	MHz dB	50	55	-	-
6) F_c -72	MHz dB	48	65	-	-
7) F_c -44	MHz dB	50	54	-	-
8) F_c -36	MHz dB	46	62	-	-
9) F_c +70...2000	MHz dB	50	61	-	-
Group delay ripple(p-p) (1216~1224MHz)	nS	-	40	-	

C. Measurement Circuit:

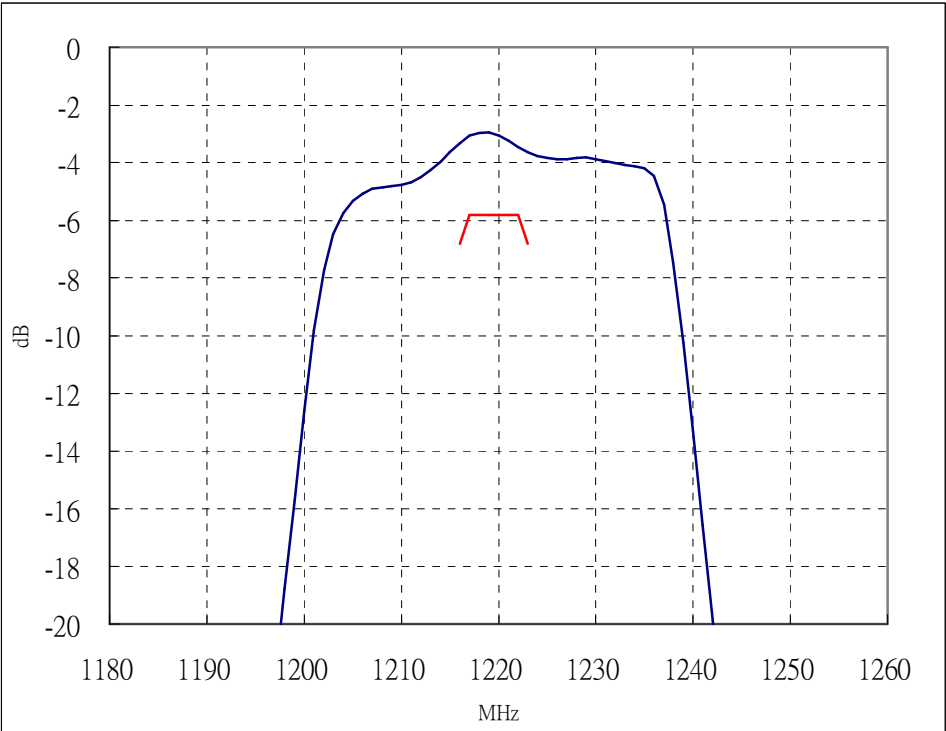


D. Frequency Characteristics :

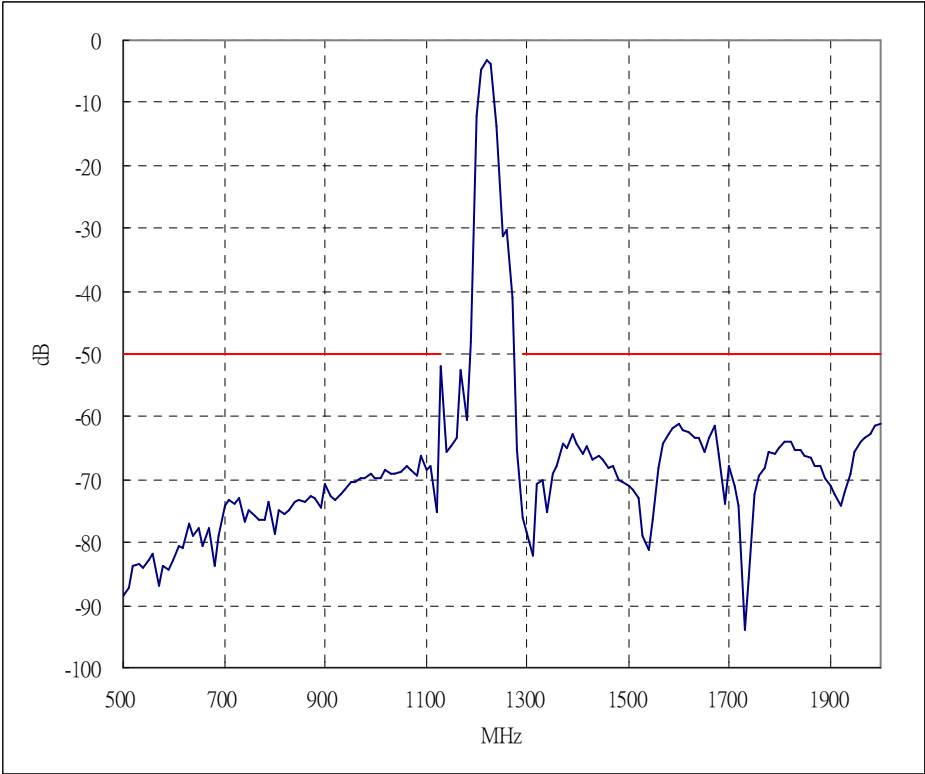
1. Sdd21 Response



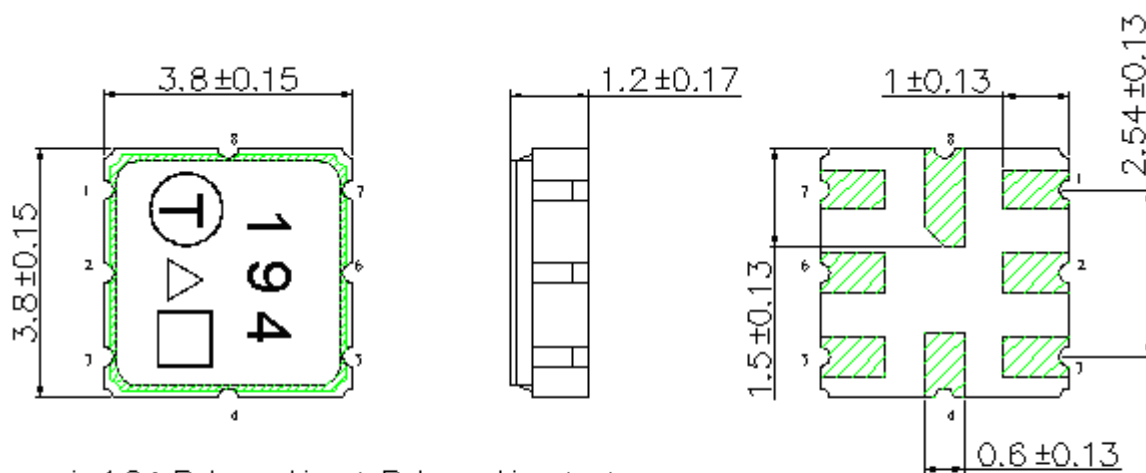
2. Sdd21 Response (Inband)



3. Sdd21 Response (wideband)



E. Outline Drawing:



pin 1,2 : Balanced input, Balanced input return
pin 5,6 : Balanced output, Balanced output return
pin 3,4,7,8 : To be Ground
△ : Year code
□ : Date code
Unit : mm

Year Code

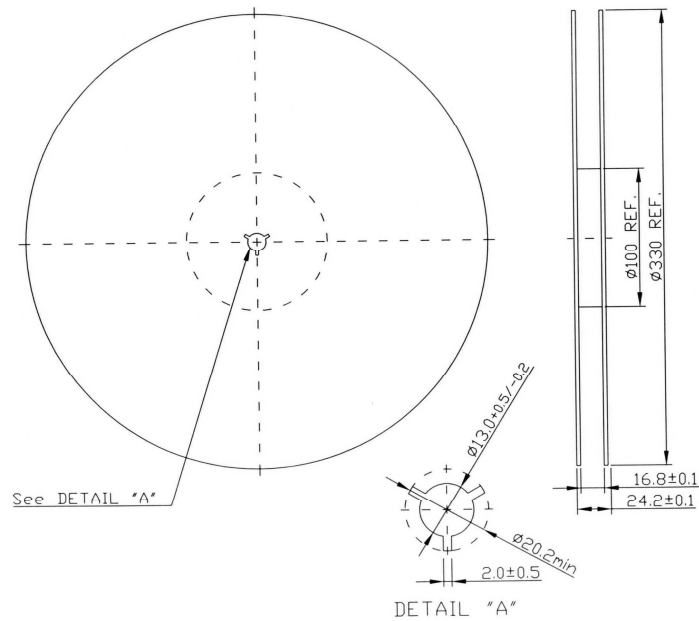
Year	2019 2021	2020 2022
Product Code	A	a

Week Code Table

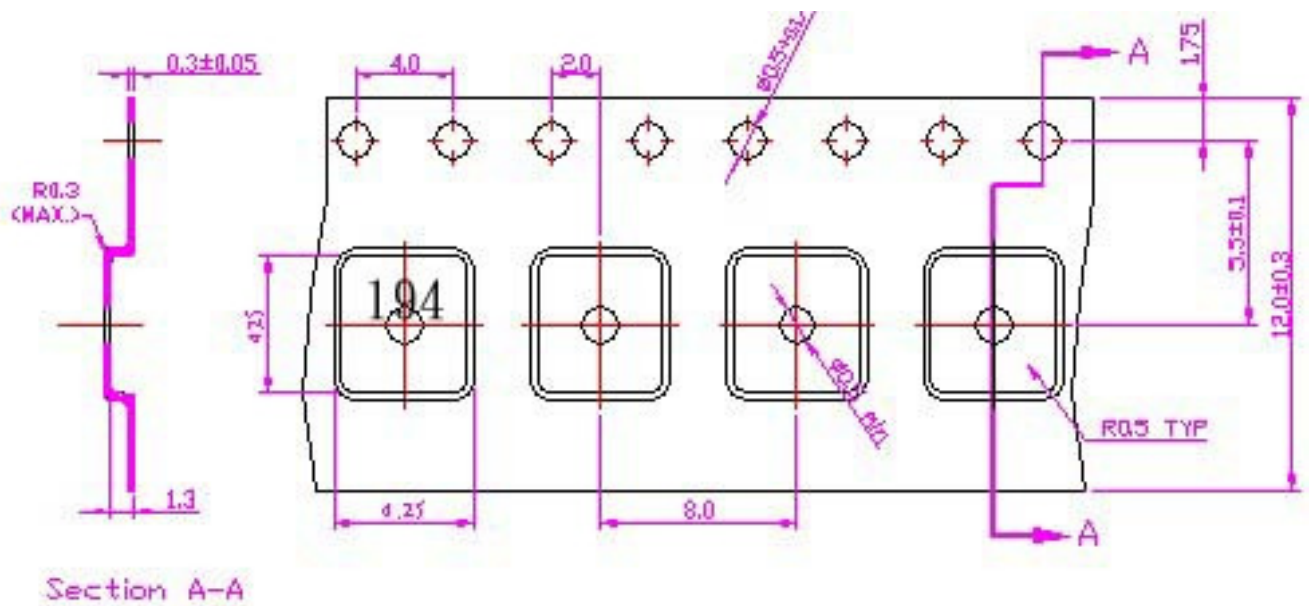
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

F. PACKING:

1. REEL DIMENSION (Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

