

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 :

Balanced to Balanced operation

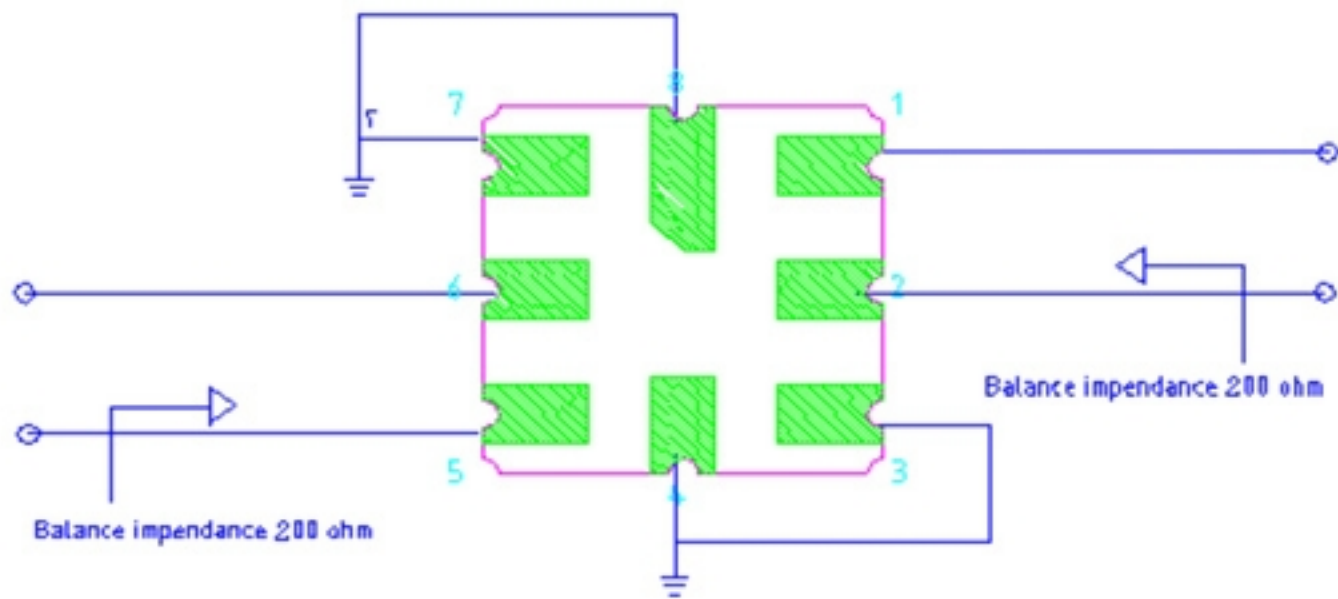
Electrostatic Sensitive Device

Terminating source impedance : $Z_s = 200 \Omega$

Terminating load impedance : $Z_L = 200 \Omega$

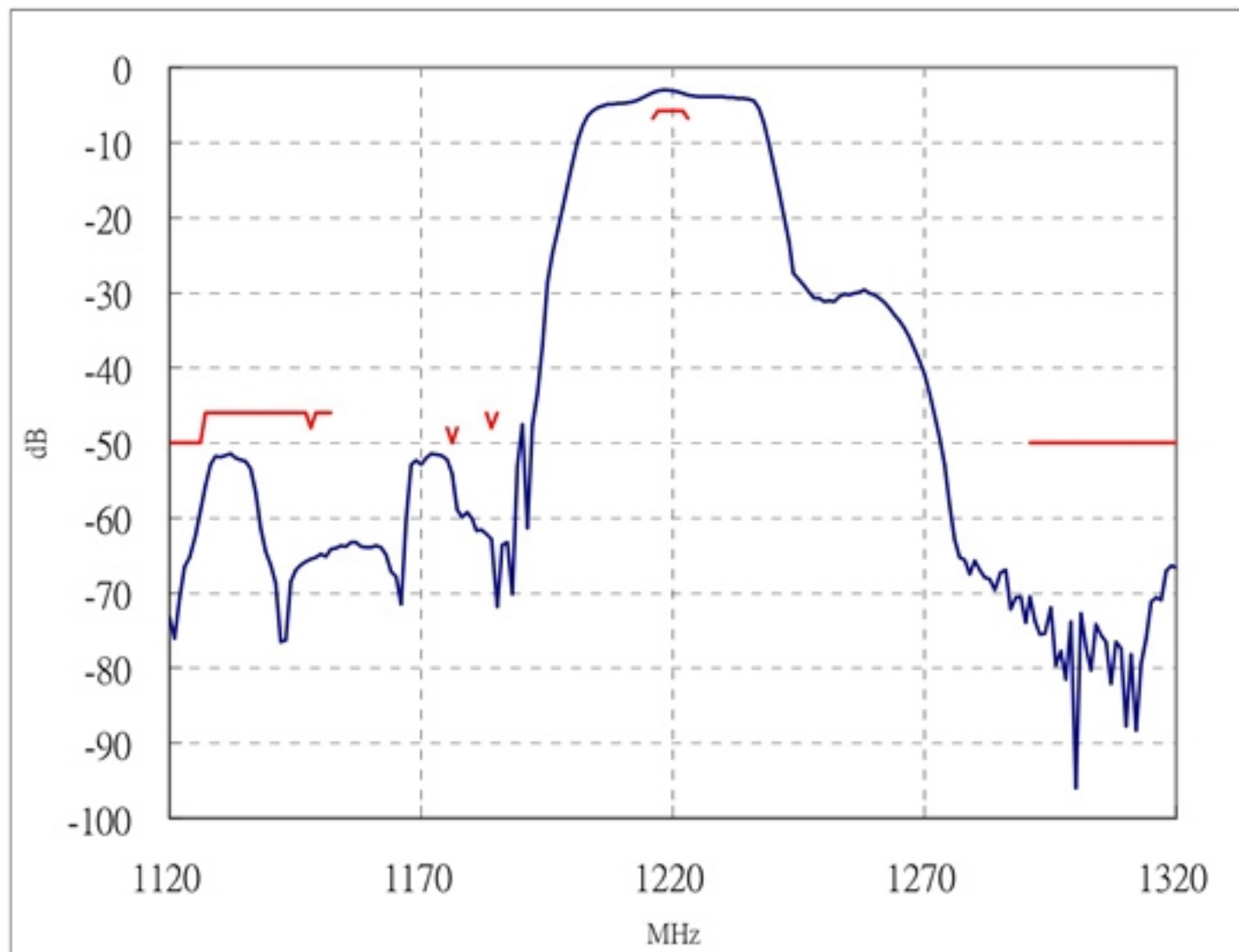
Characteristics	Value			Note	
	Min.	Typ.	Max.		
Center frequency F_c MHz	-	1220	-	-	
Insertion loss(1216~1224 MHz) I.L. dB	-	3.7	4.8	-	
Ripple (1216~1224MHz) dB	-	0.8	1.5	-	
Attenuation:(Reference level from 0 dB)					
1)500.. F_c -93 MHz dB	50	60	-	-	
2) F_c -93... F_c -85 MHz dB	46	53	-	-	
3) F_c -85... 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:

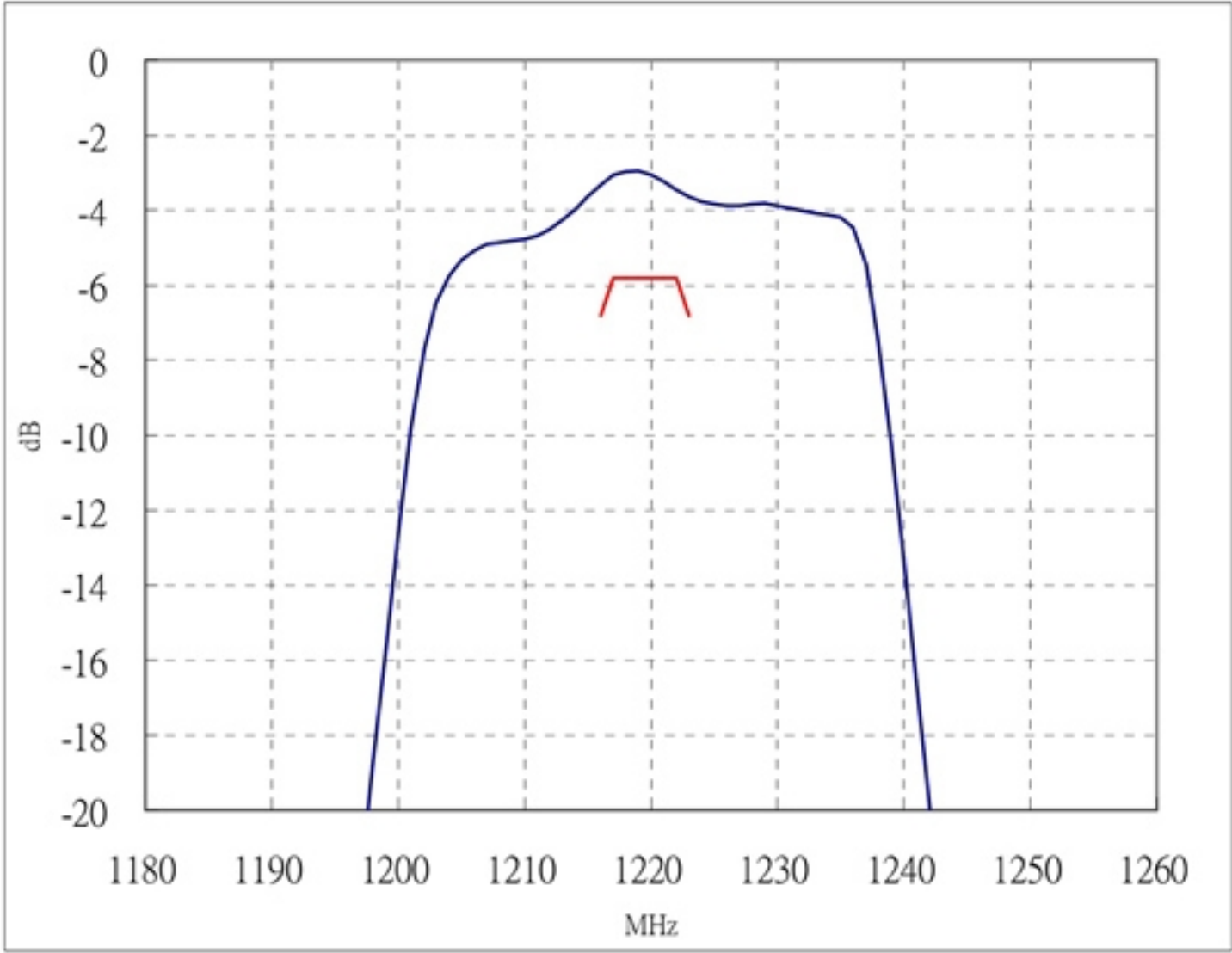


D. Frequency Characteristics :

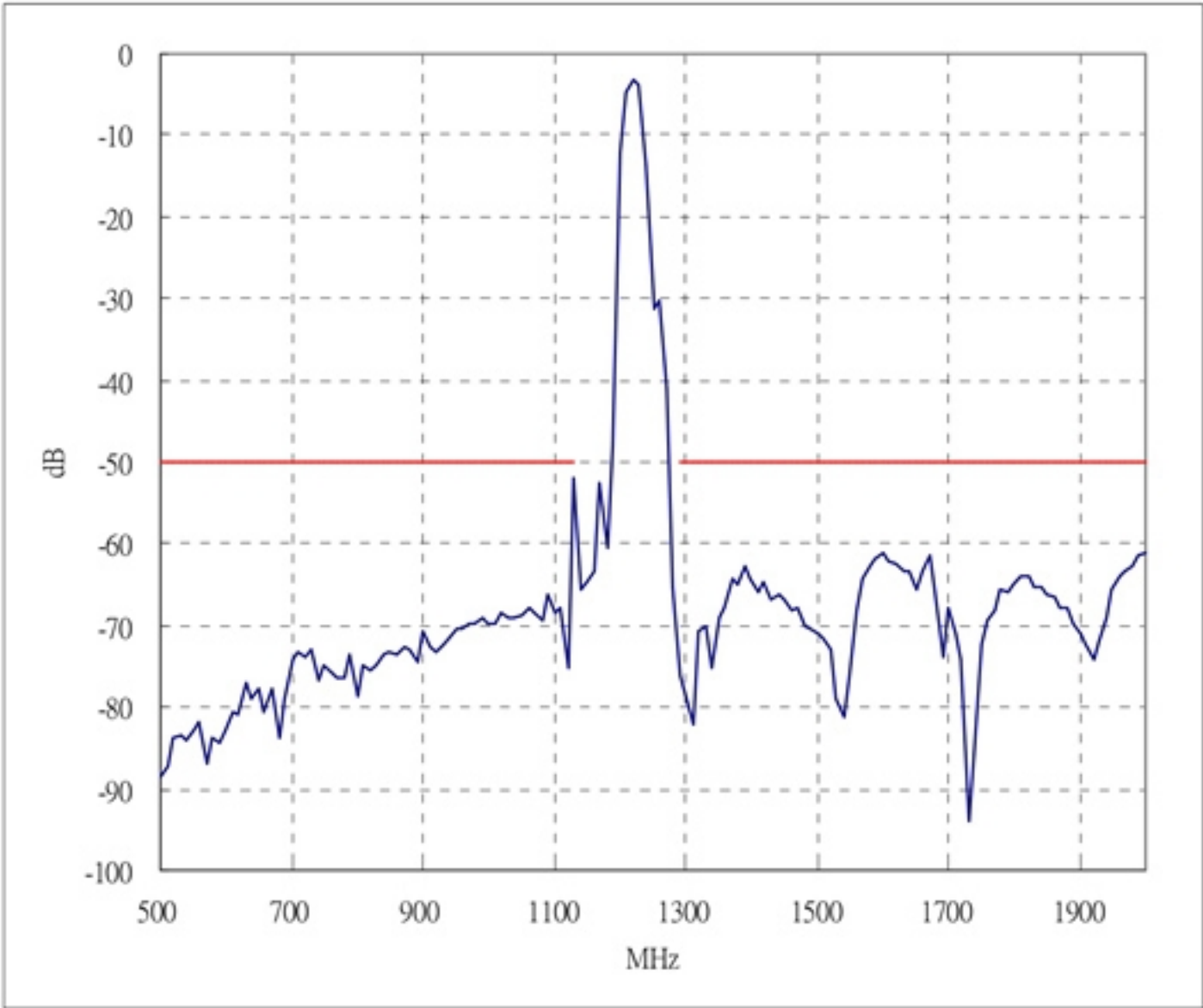
1. Sdd21 Response



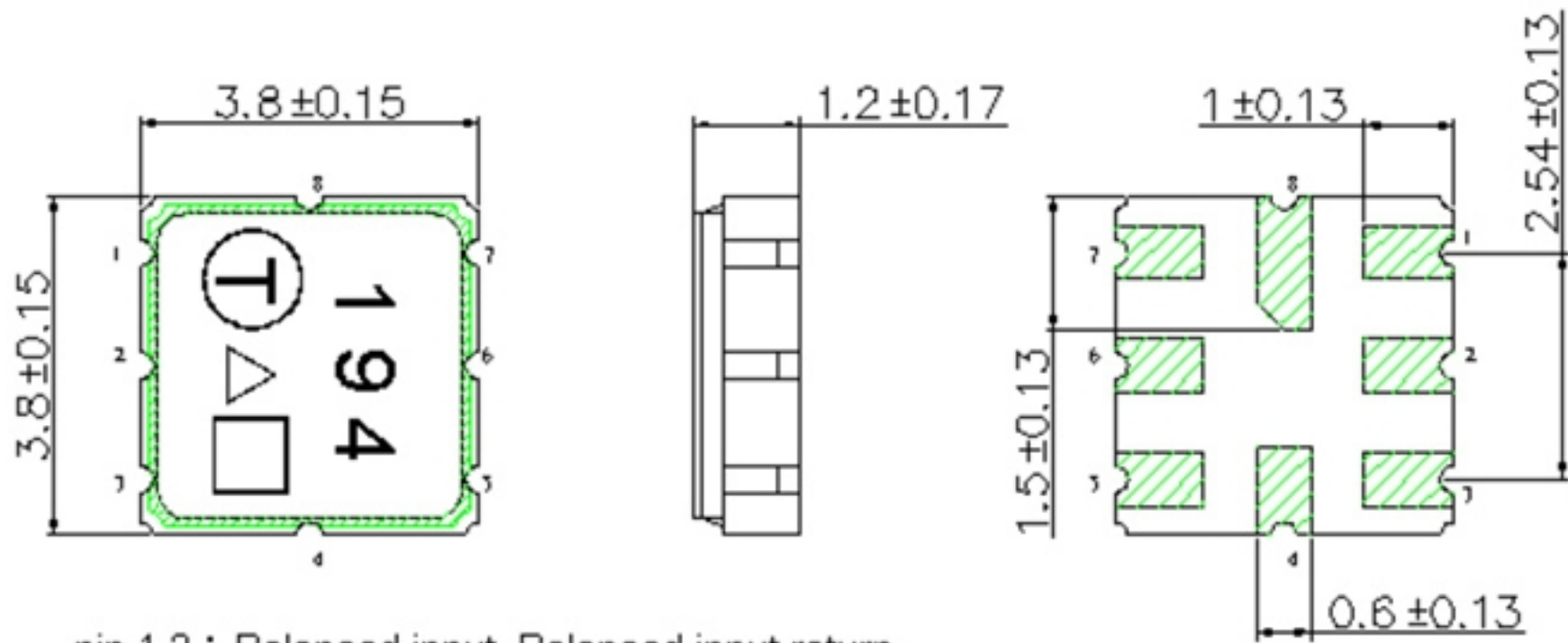
2. Sdd21 Response (Inband)



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

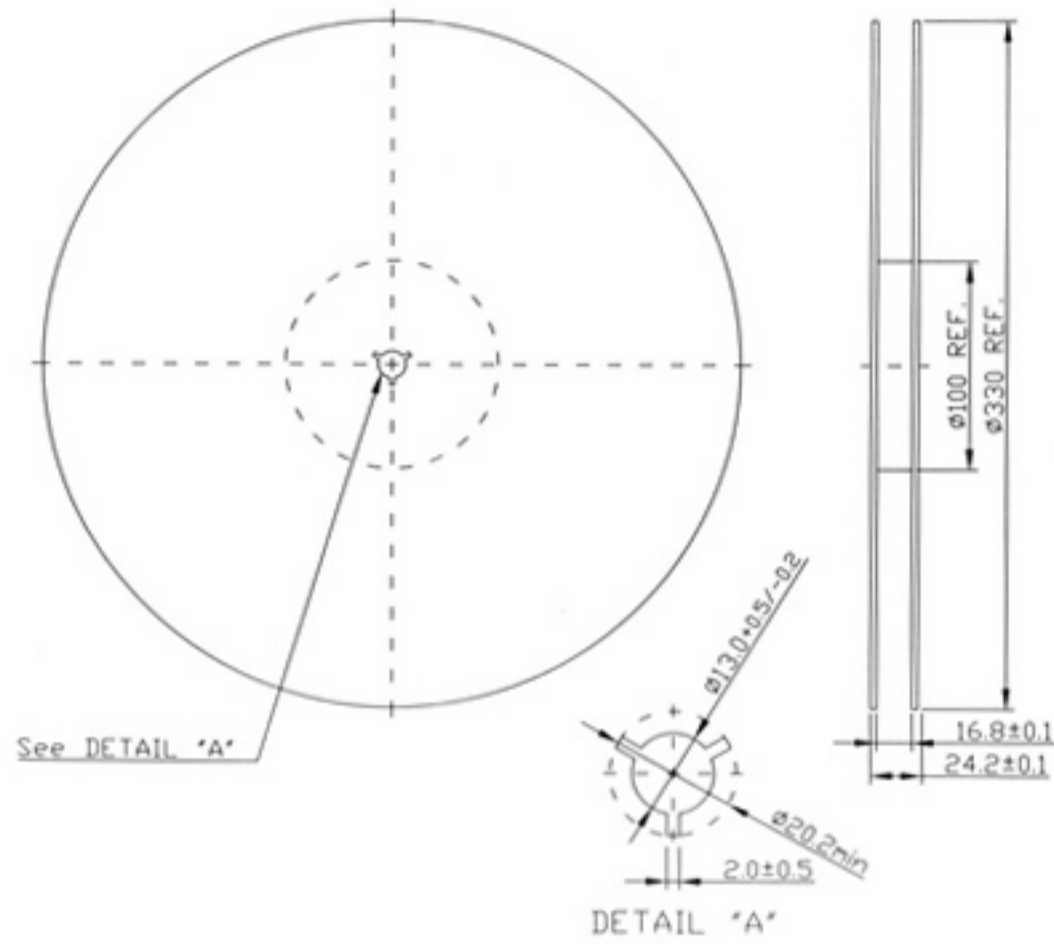
Year	2019 2021	2020 2022
Product Code	A	a

Week Code Table

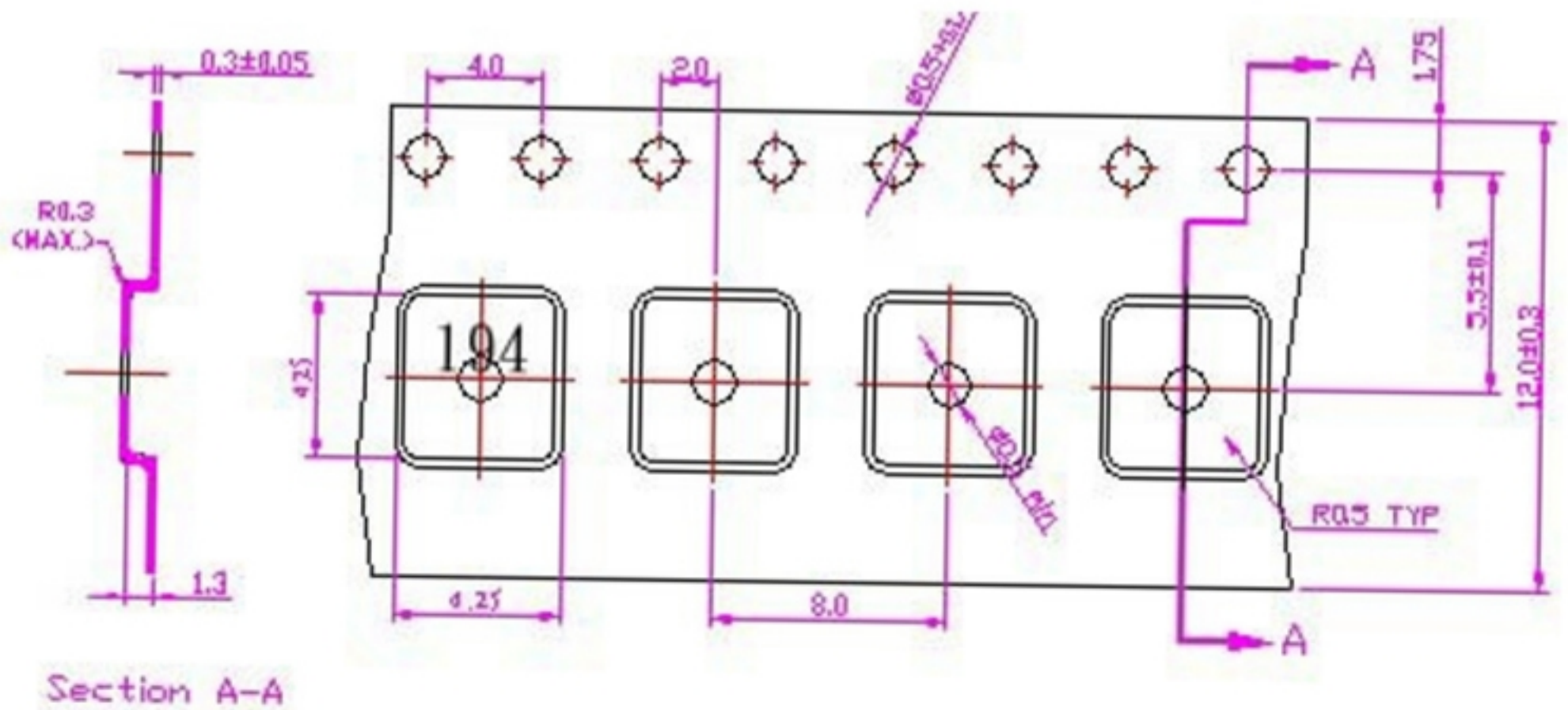
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

