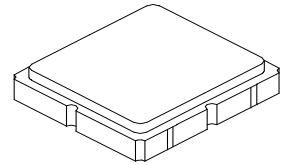


**SF2704E**

**1962.5 MHz  
SAW Filter**



SM3030-6

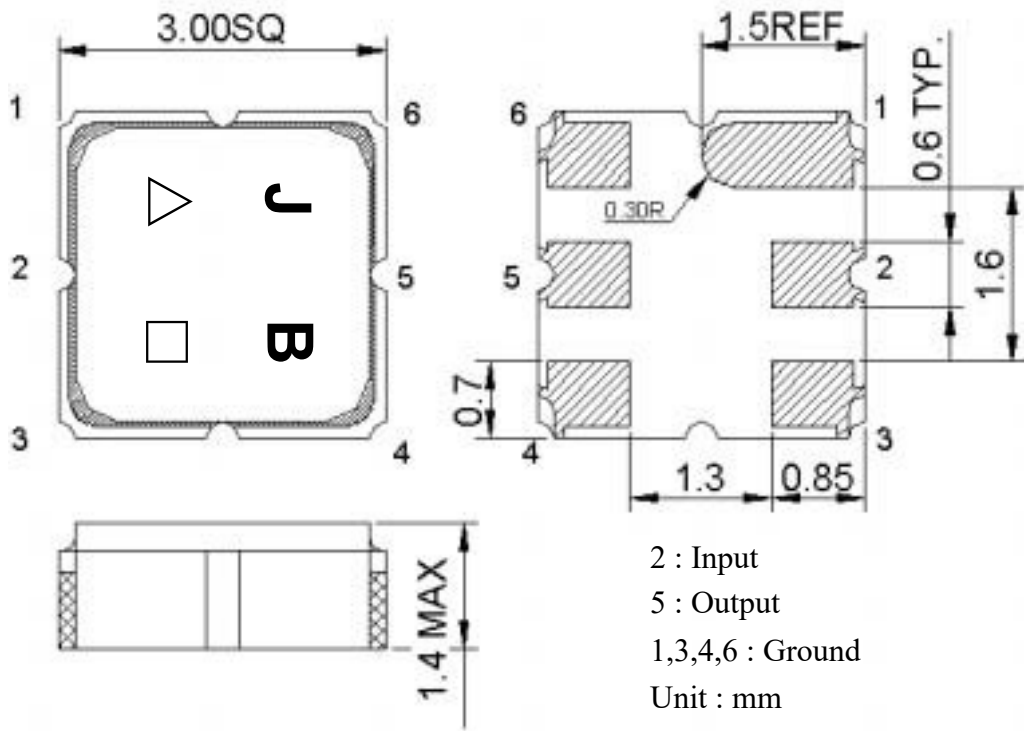
**MAXIMUM RATING:**

- Input Power Level: +12 dBm
- DC Voltage : 3V
- Operating Temperature: -20°C to +70°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: 1

**ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.	Note
<b>Center Frequency</b> <b>Fc</b>	MHz	-	1962.5	-	-
<b>Insertion Loss</b> (1930~1995 MHz) <b>IL</b>	dB	-	2.6	3.5	-
<b>Amplitude Ripple</b> (1930~1995 MHz)	dB	-	1.4	2.2	-
<b>Return Loss</b> (1930~1995 MHz)	dB	8.5	11	-	-
<b>Attenuation</b> (Reference level from 0 dB)					
1710 ~ 1755      MHz	dB	10	32	-	-
1850 ~ 1915      MHz	dB	5	11	-	-
2010 ~ 2020      MHz	dB	5	8	-	-
<b>Temperature Coefficient of Frequency</b>	ppm/°C	-	-36	-	-

**OUTLINE DRAWING:**



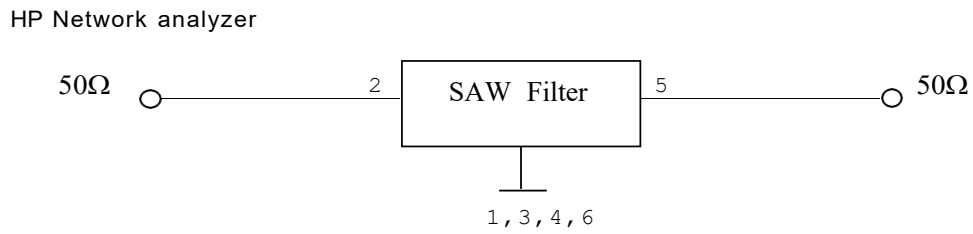
△ : Year Code (2009->9, 2010->0, ..., 2018->8)

□ : Date Code (Follow the table from planner each year)

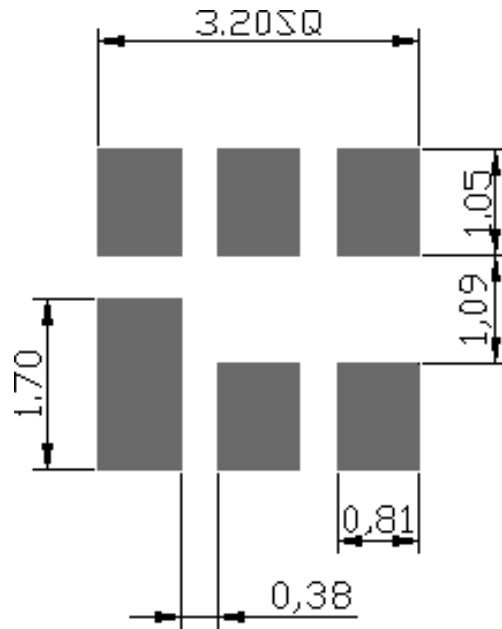
Date Code Table

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

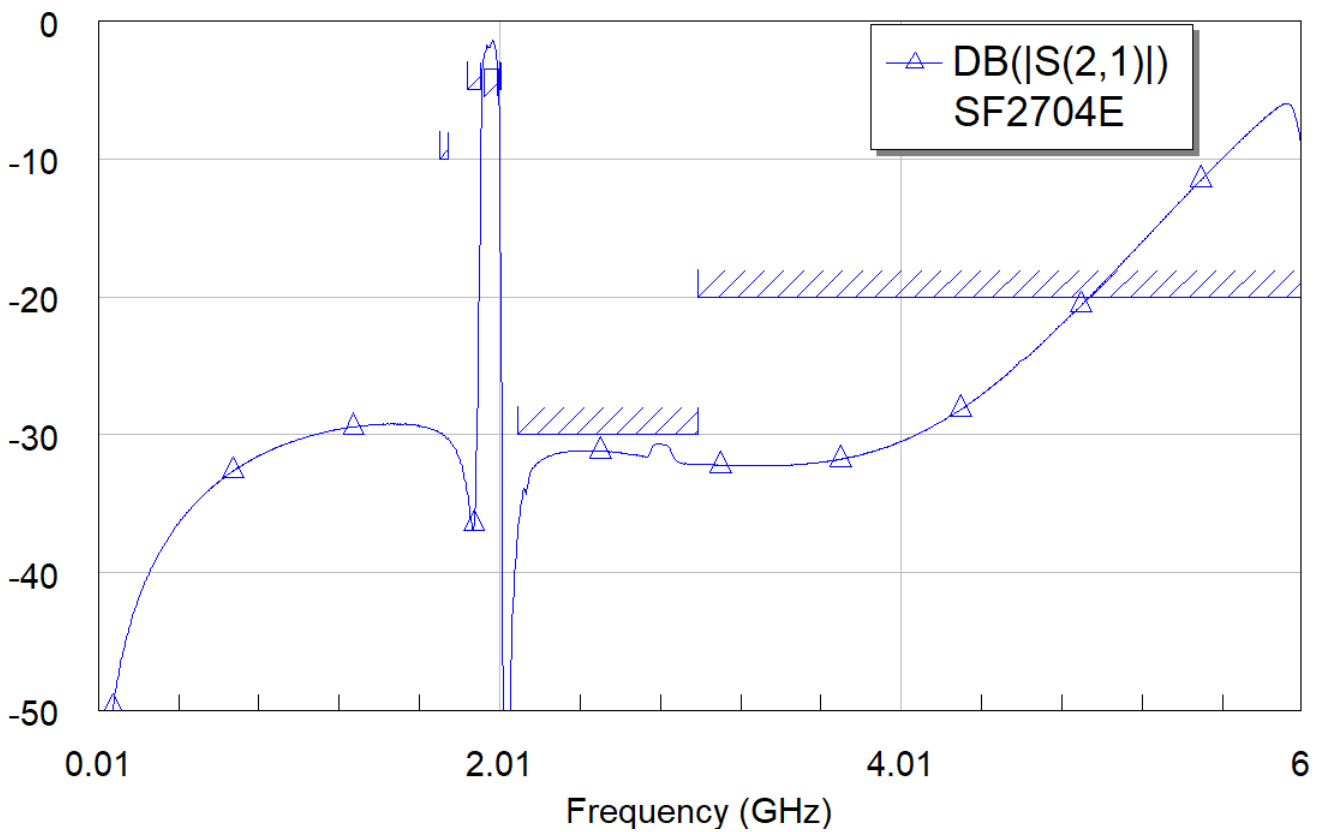
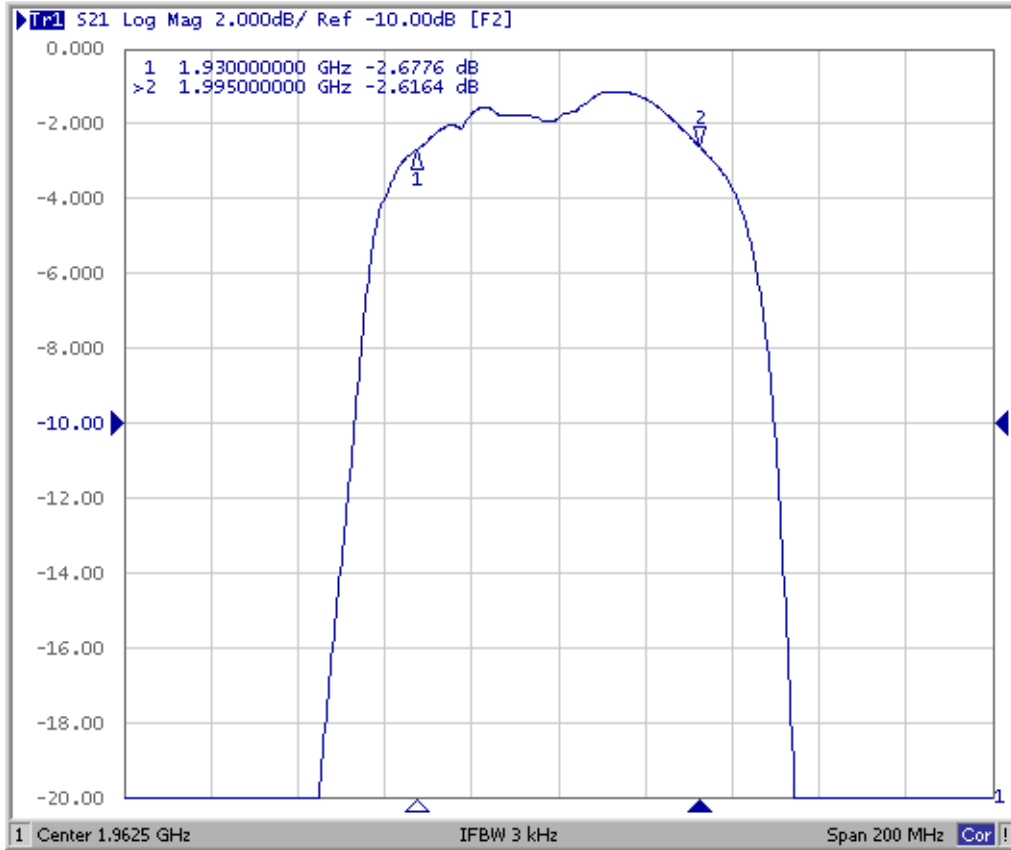
## MEASUREMENT CIRCUIT:



## PCB Footprint:

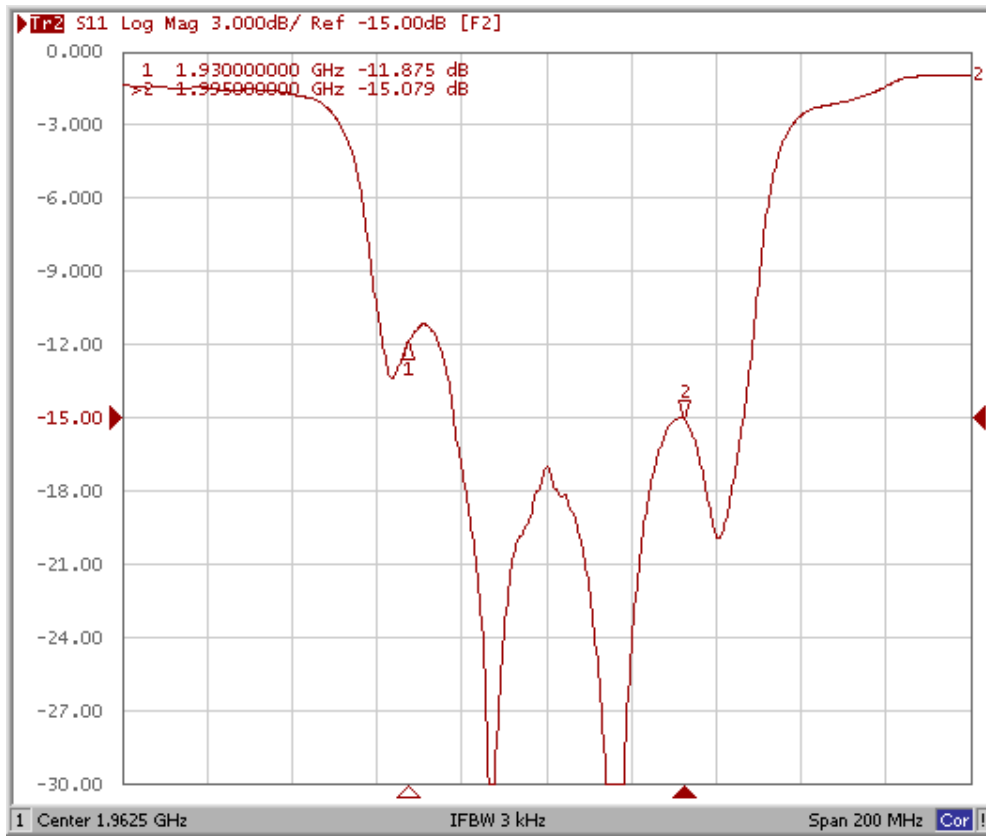


### Frequency Characteristics :

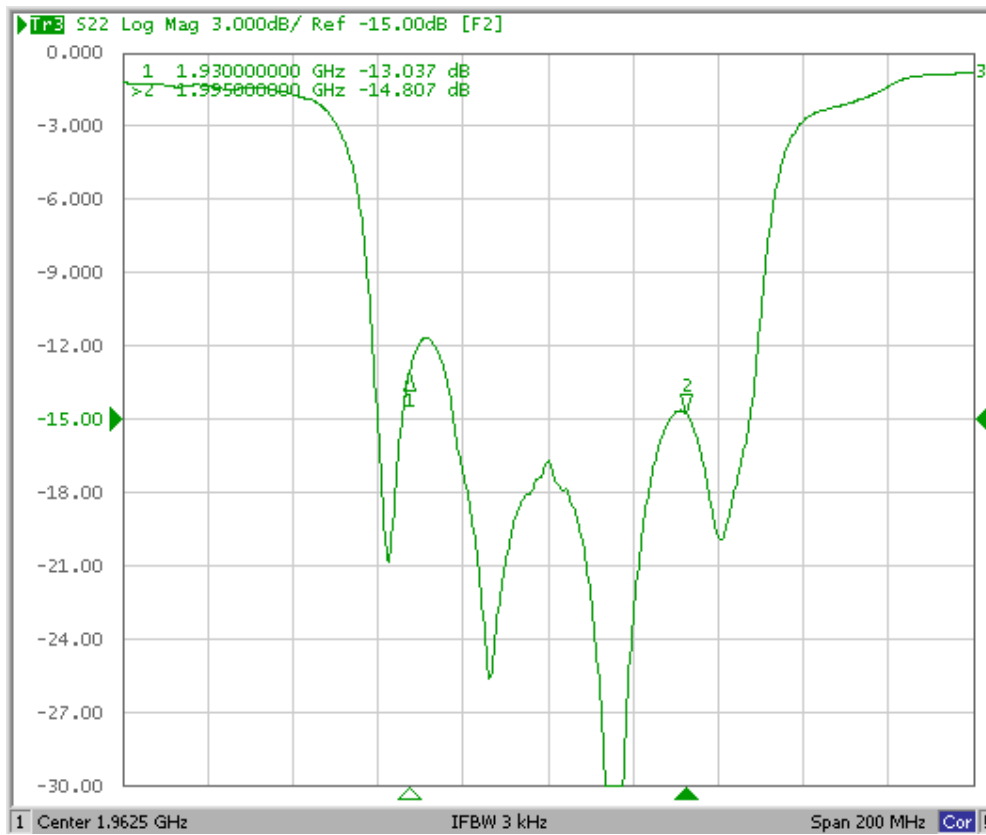


# Reflection Functions :

## S11



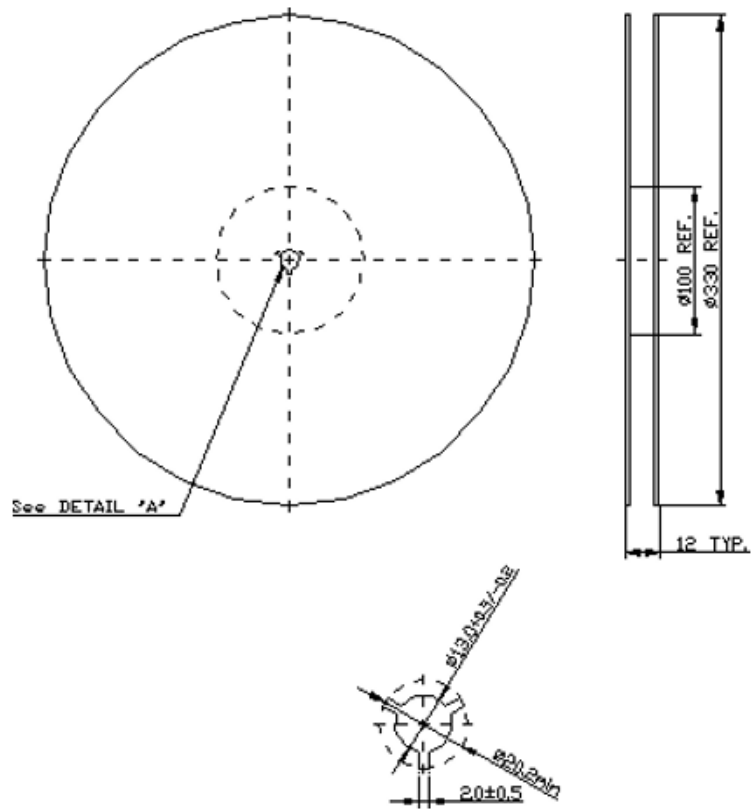
## S22



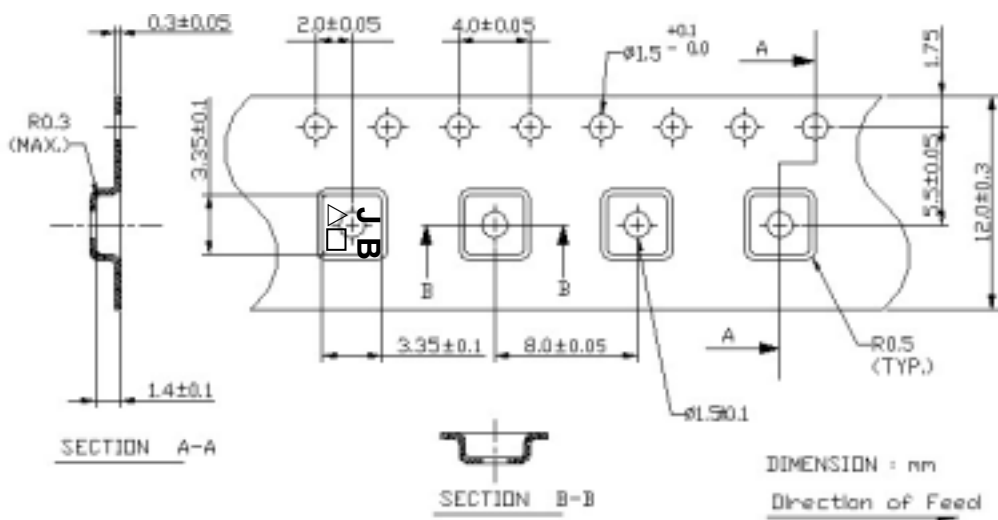
**PACKING:**

**1. REEL DIMENSION**

(Reel Count : 7"=1000 ; 13"=3000 )

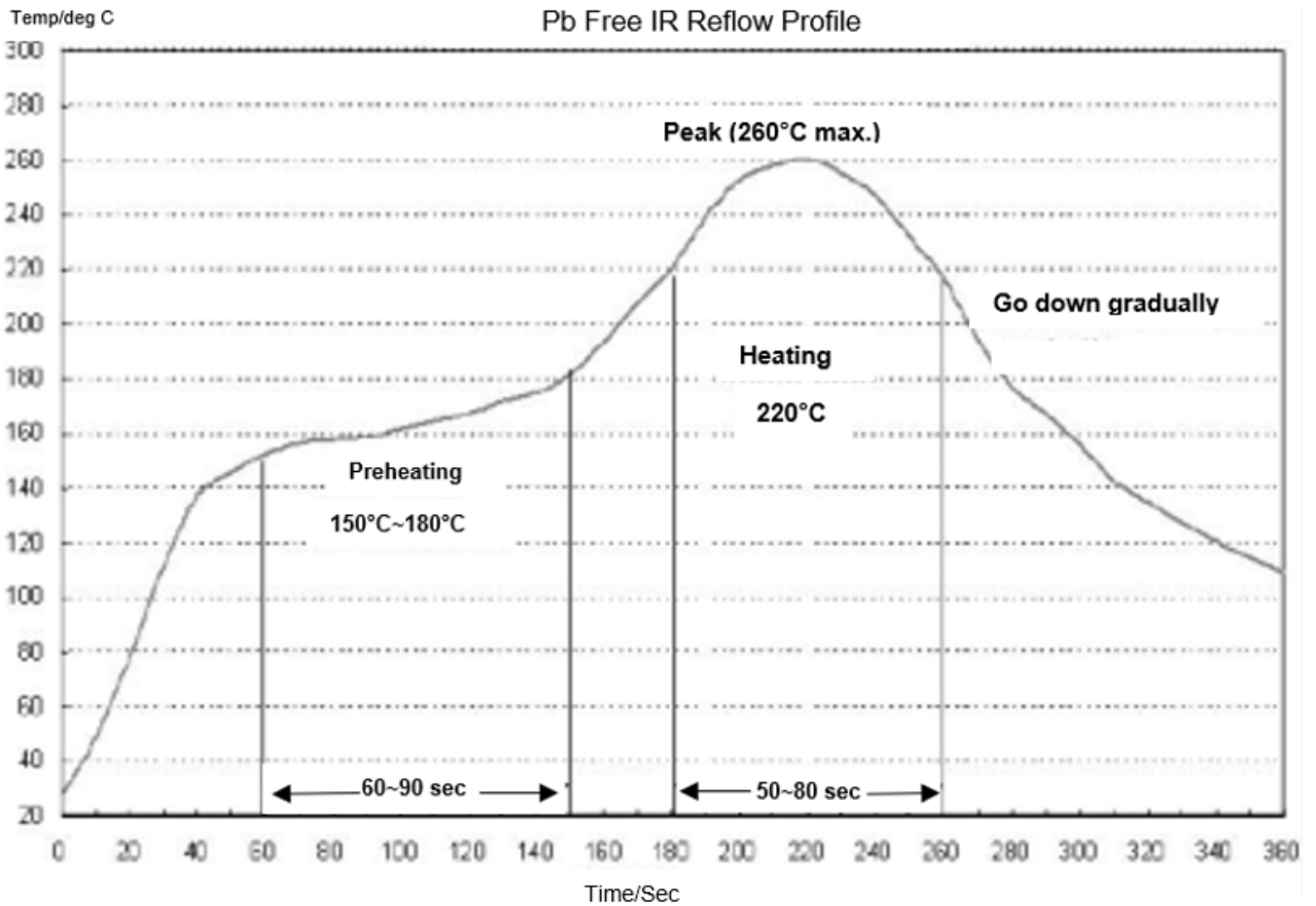


**2. TAPE DIMENSION**



## 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 245~260°C peak (min. 10sec).
4. Time : 2 times.



**CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.**

### NOTES:

1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.