

SF2573L

**2350 MHz
SAW Filter**



SM1109

MAXIMUM RATING

- Input Power Level: 10dBm
- DC Voltage : 0V
- Operating Temperature: -30°C to +85°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: Level 3
- ESD 50V(MM) 100V(HBM)

ELECTRICAL CHARACTERISTICS

Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = 50 \Omega$

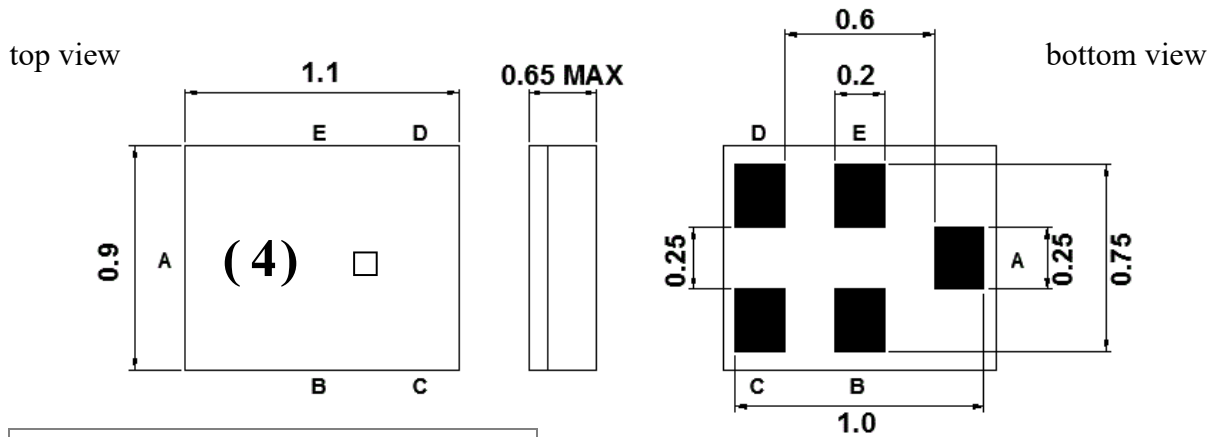
Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2350	-	-
Insertion Loss (2300~2400 MHz) IL	dB	-	1.9	2.8	-
Amplitude ripple (2300~2400 MHz)	dBp-p	-	1.2	2.3	-
VSWR (2300~2400 MHz)		-	1.5	2.0	-
Attenuation (reference level from 0 dB)					
10 ~ 1574 MHz	dB	20	29	-	-
1574 ~ 1577 MHz	dB	20	29		
1577 ~ 1680 MHz	dB	20	27		
1845 ~ 1880 MHz	dB	18	25	-	-
2110 ~ 2170 MHz	dB	18	25	-	-
2240 ~ 2285 MHz	dB	1.5	7	-	-
2415 ~ 2420 MHz	dB	1.5	5	-	-
2420 ~ 2460 MHz	dB	3	6	-	-
2460 ~ 2485 MHz	dB	30	43	-	-
2485 ~ 2500 MHz	dB	30	48		
2500 ~ 3000 MHz	dB	20	26		
4600 ~ 4800 MHz	dB	20	25		
4800 ~ 6000 MHz	dB	18	21		
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.



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2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

OUTLINE DRAWING



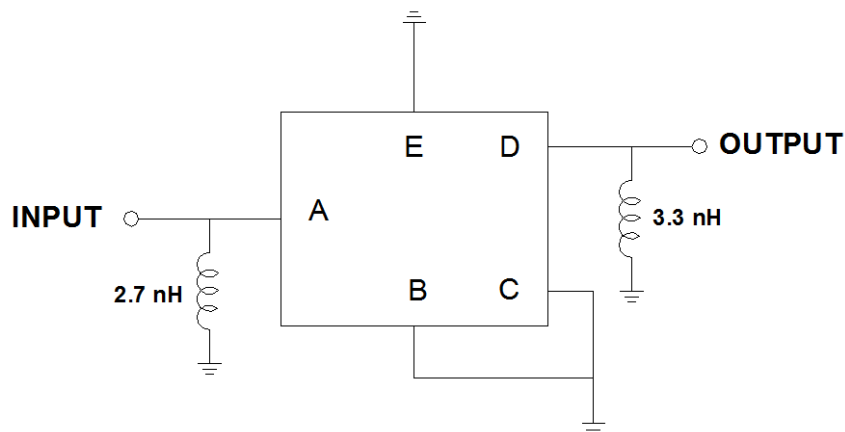
Marking Descriptions	
(4)	Series Number
□	Date Code(Year+Month)

Pin Description	
B, C, E	Ground
A	Input
D	Output

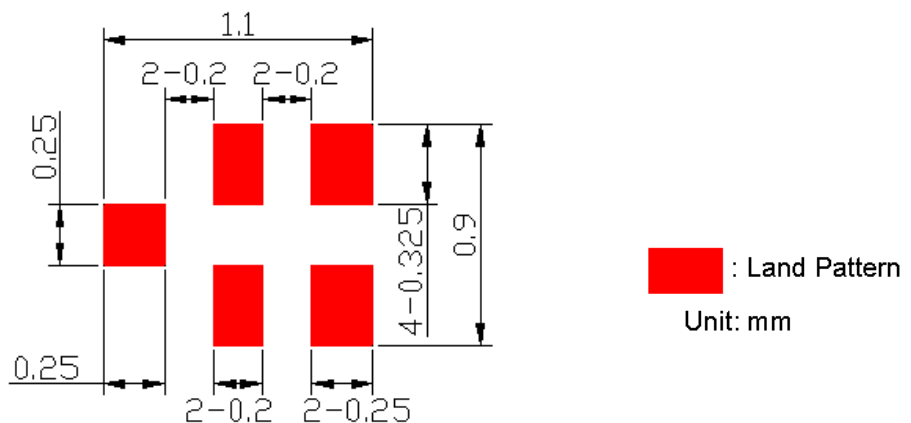
□ : Year/Month Code (Follow the table)

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>

MEASUREMENT CIRCUIT:

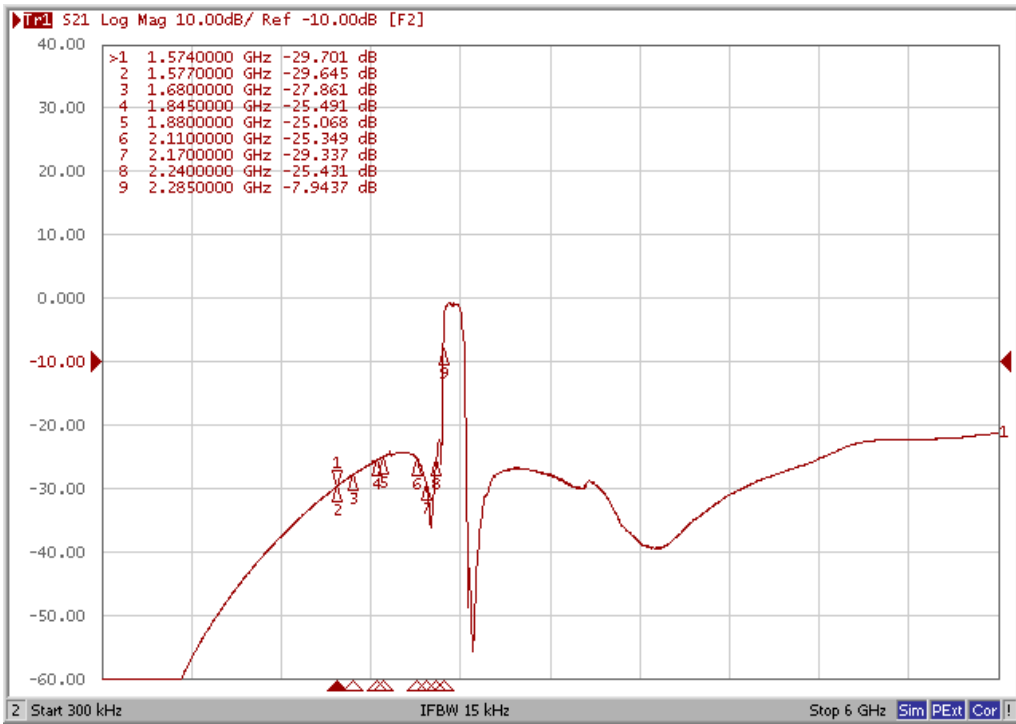
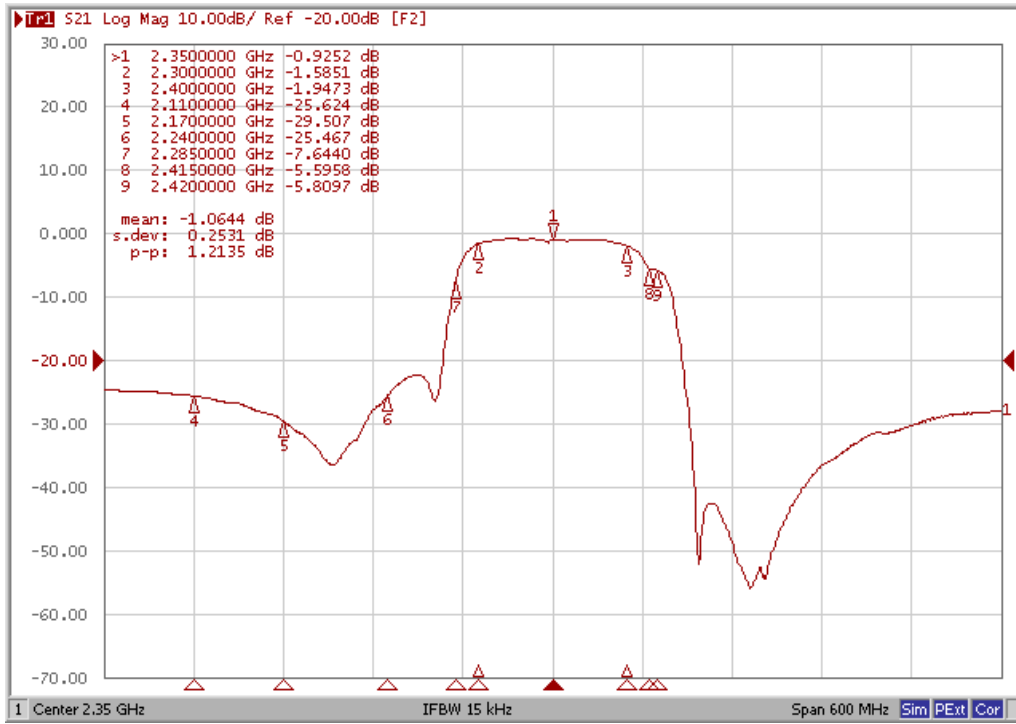


PCB Footprint



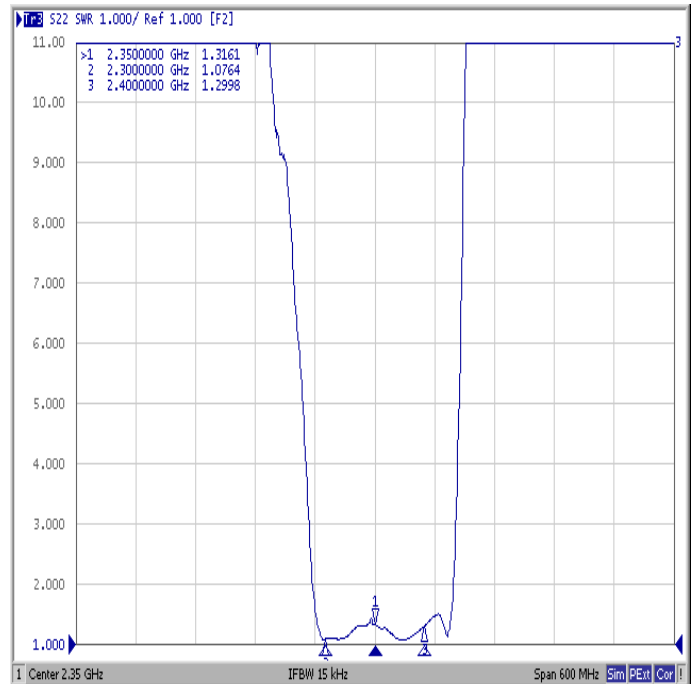
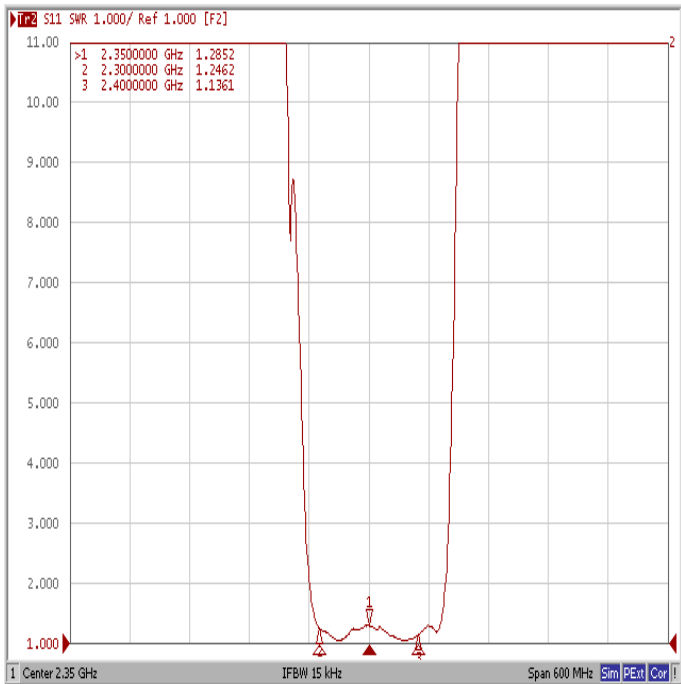
Frequency Characteristics:

Frequency Response

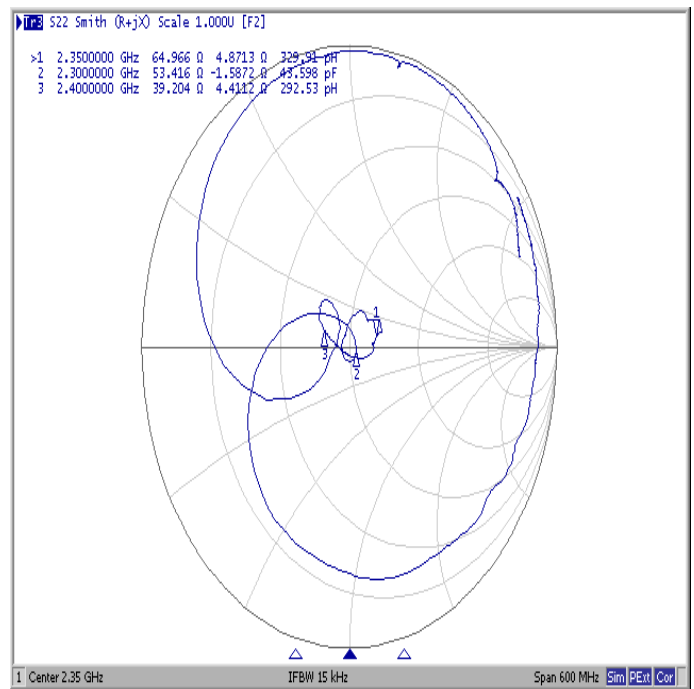
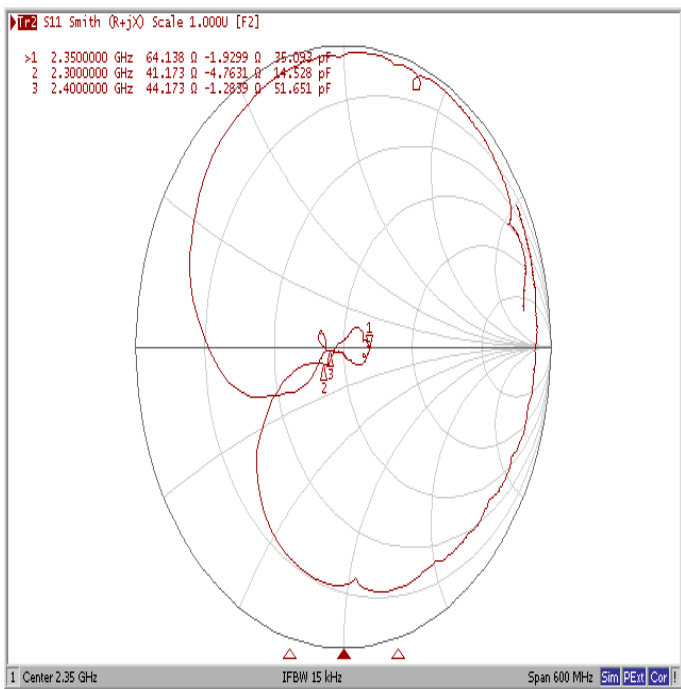


Reflection Functions :

VSWR

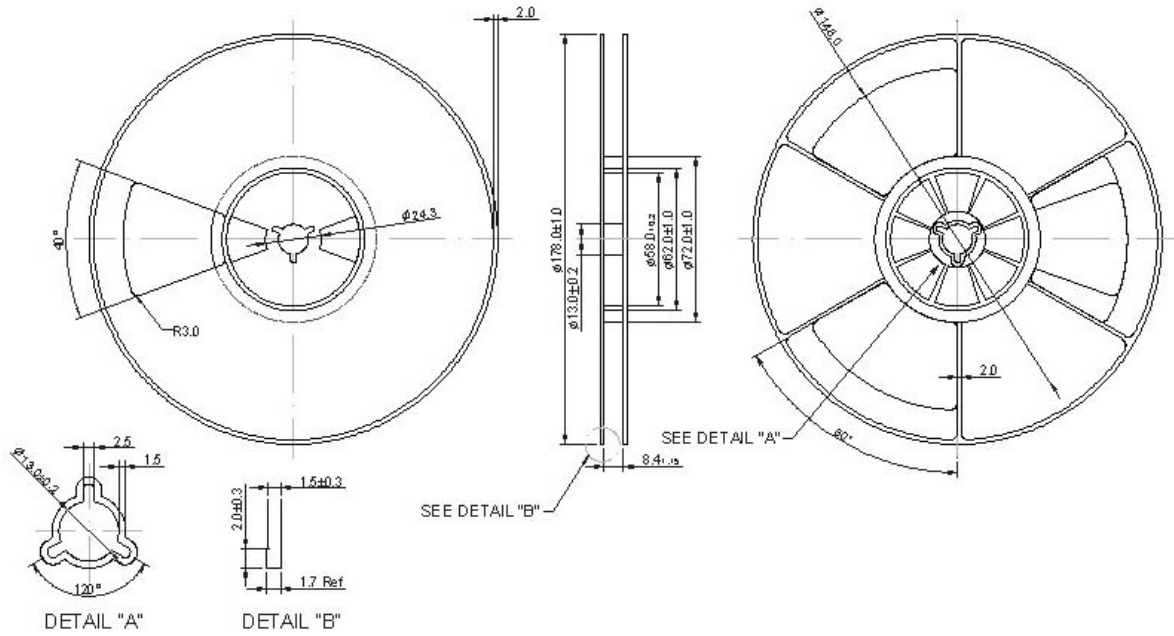


Smith Chart

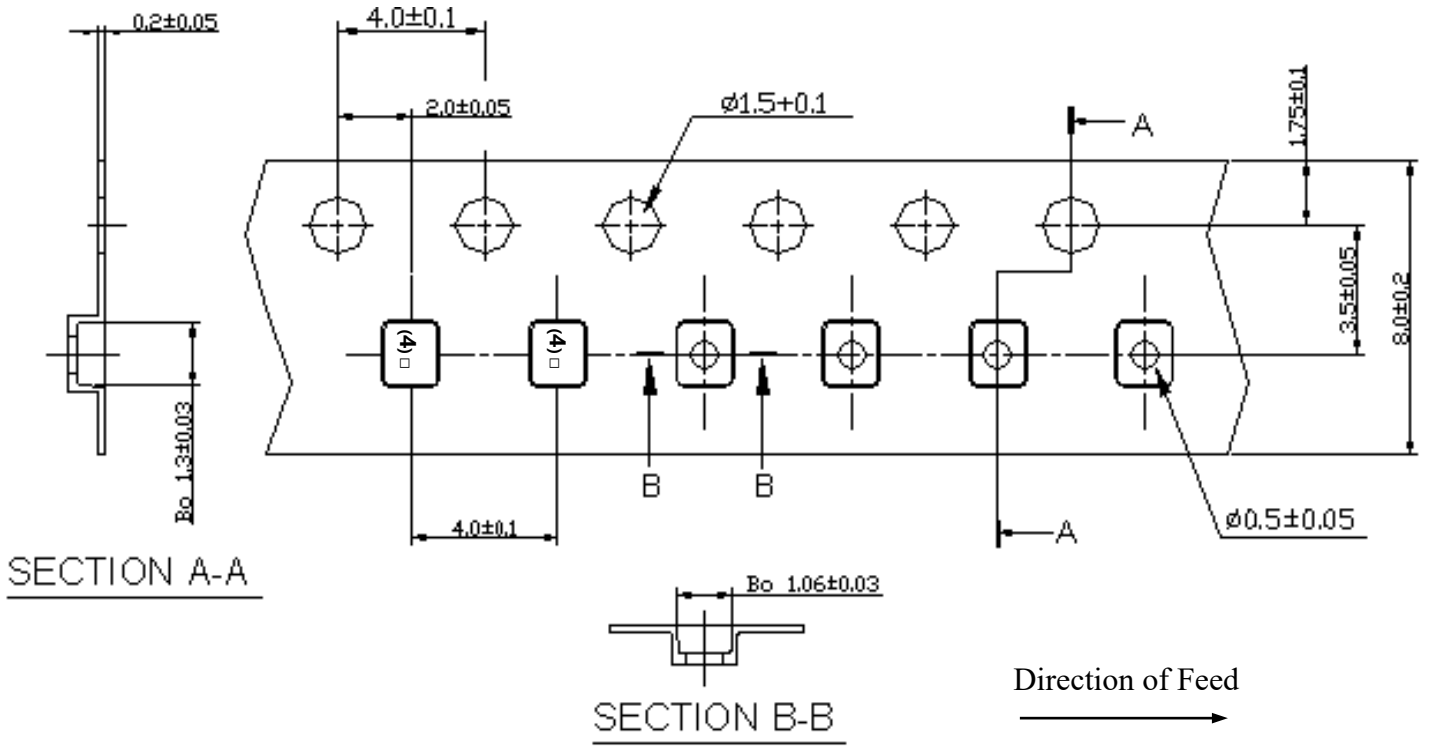


PACKING
REEL DIMENSION

Reel Count
 7" reel = 3000
 13" = 10,000

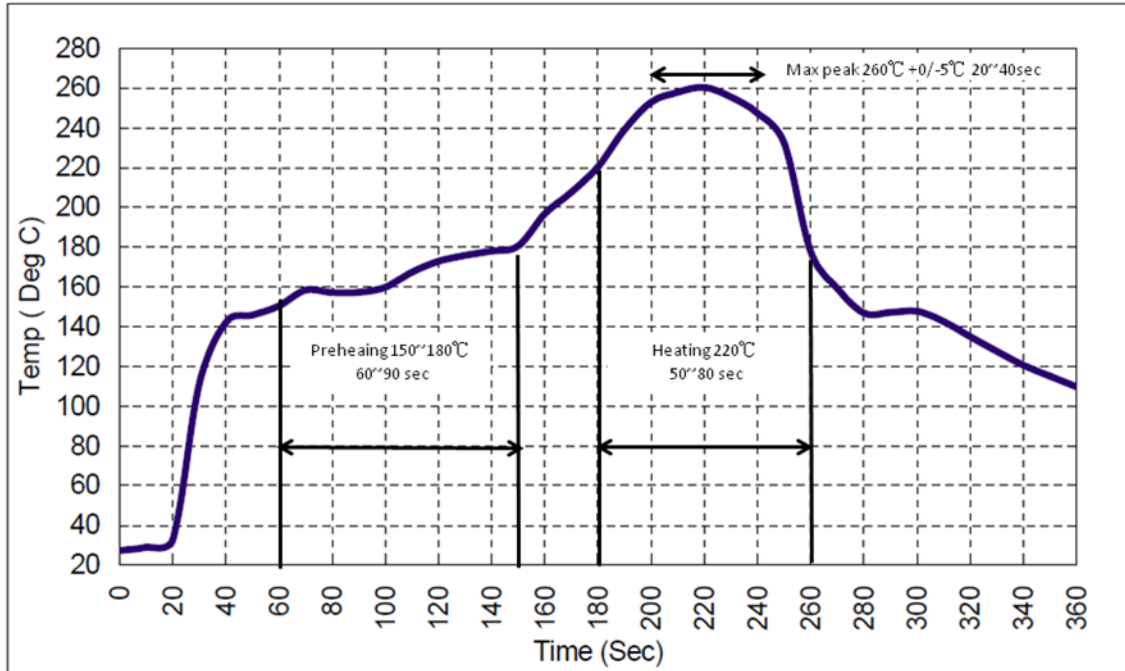


TAPE DIMENSION



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



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