

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 F_c	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	-	-

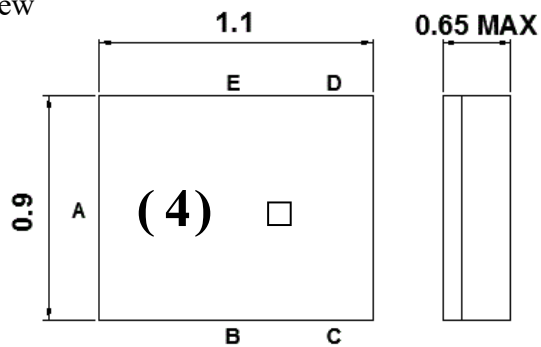
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.



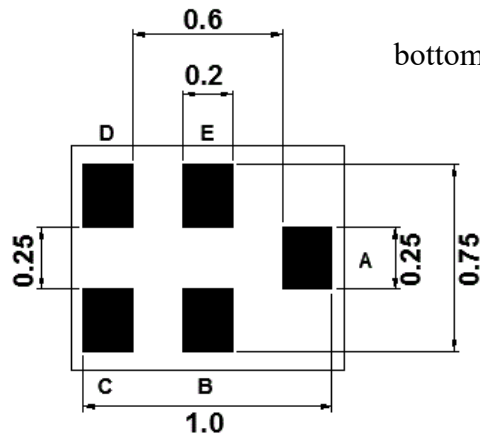
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

OUTLINE DRAWING

top view



bottom view



Marking Descriptions

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

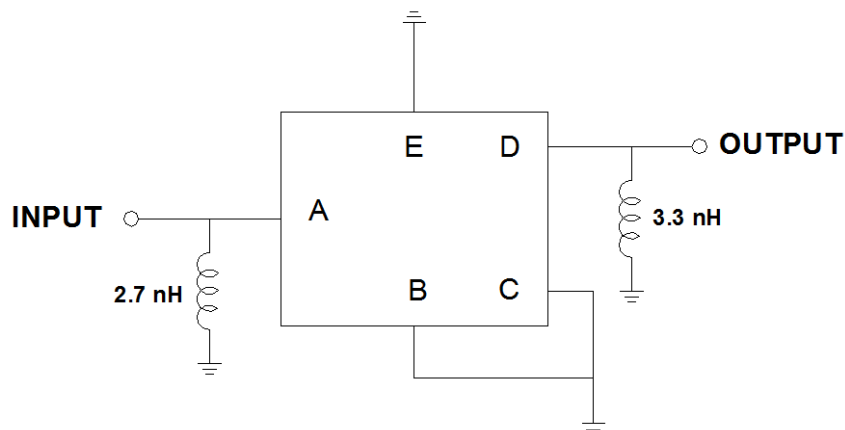
Pin Description

B, C, E	Ground
A	Input
D	Output

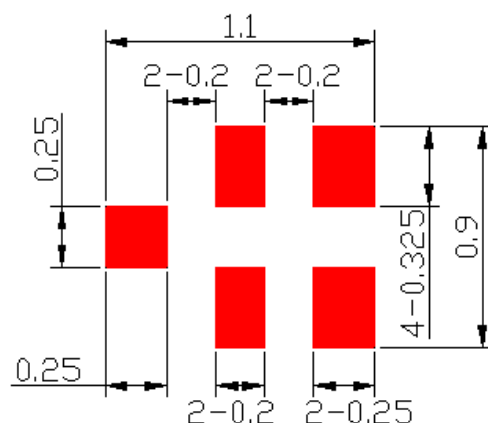
□ : Year/Month Code (Follow the table)

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

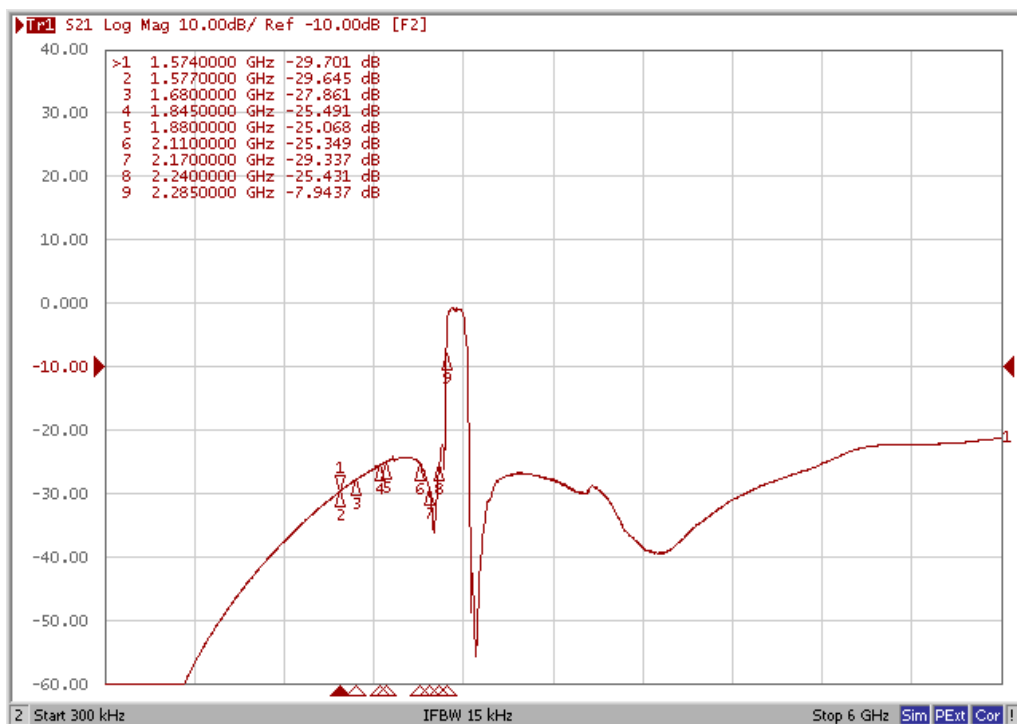
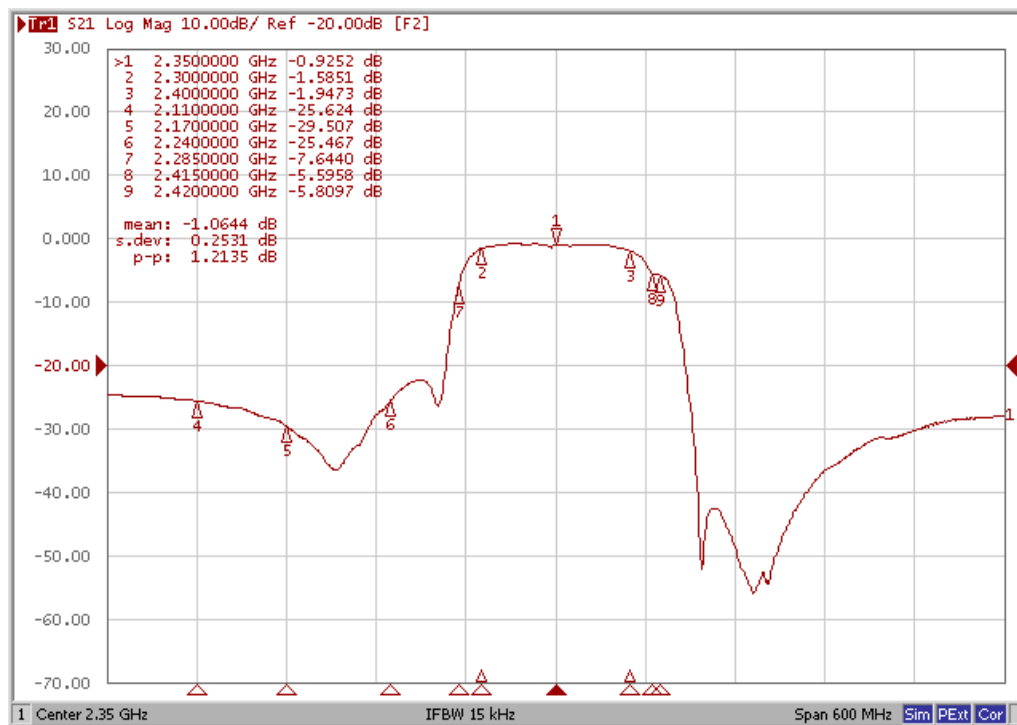


■ : Land Pattern

Unit: mm

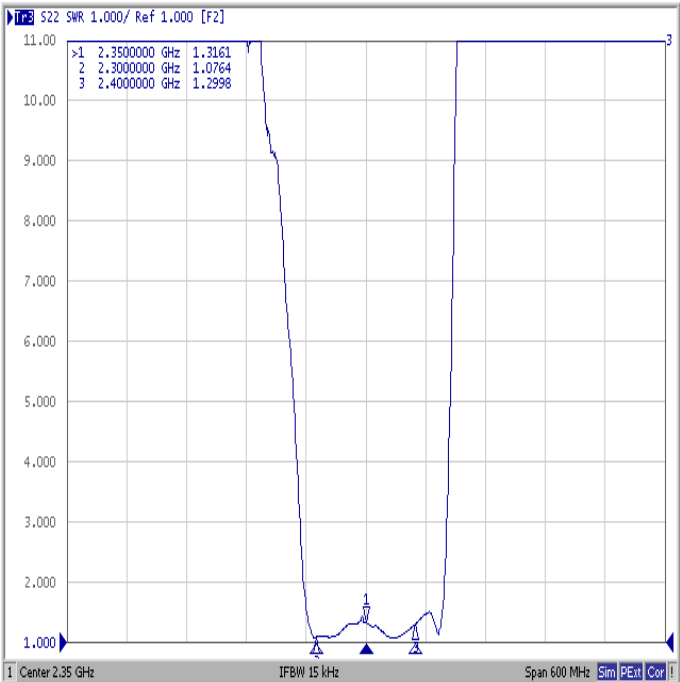
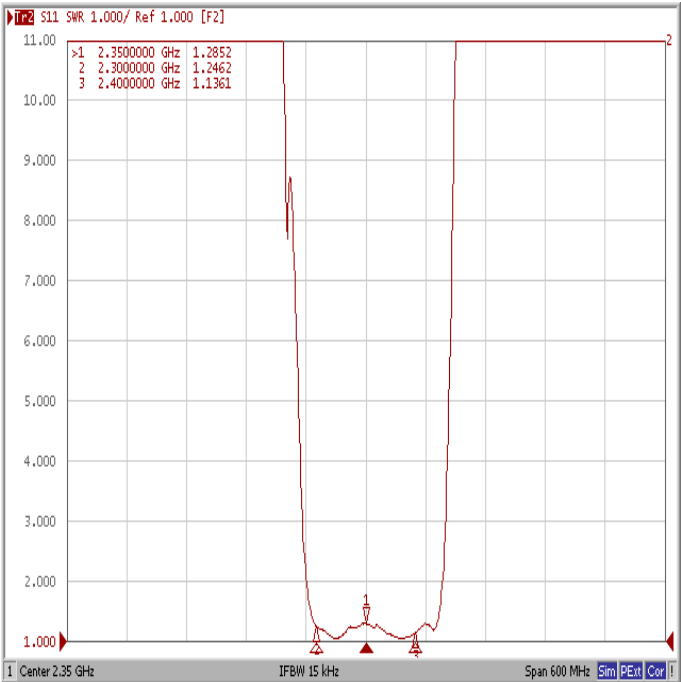
Frequency Characteristics:

Frequency Response

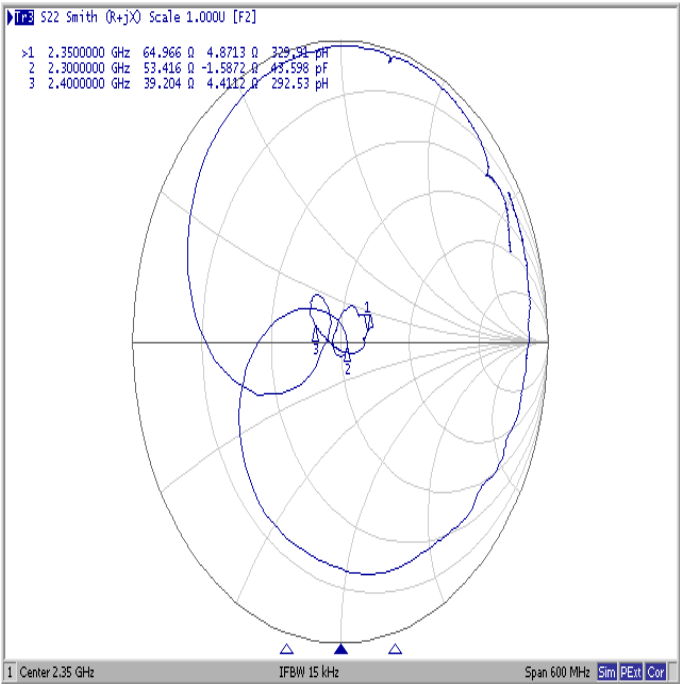
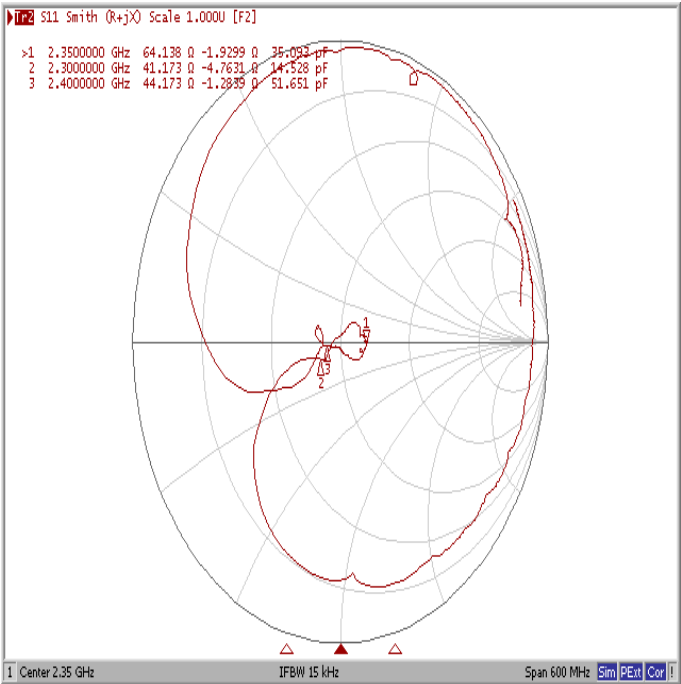


Reflection Functions :

VSWR

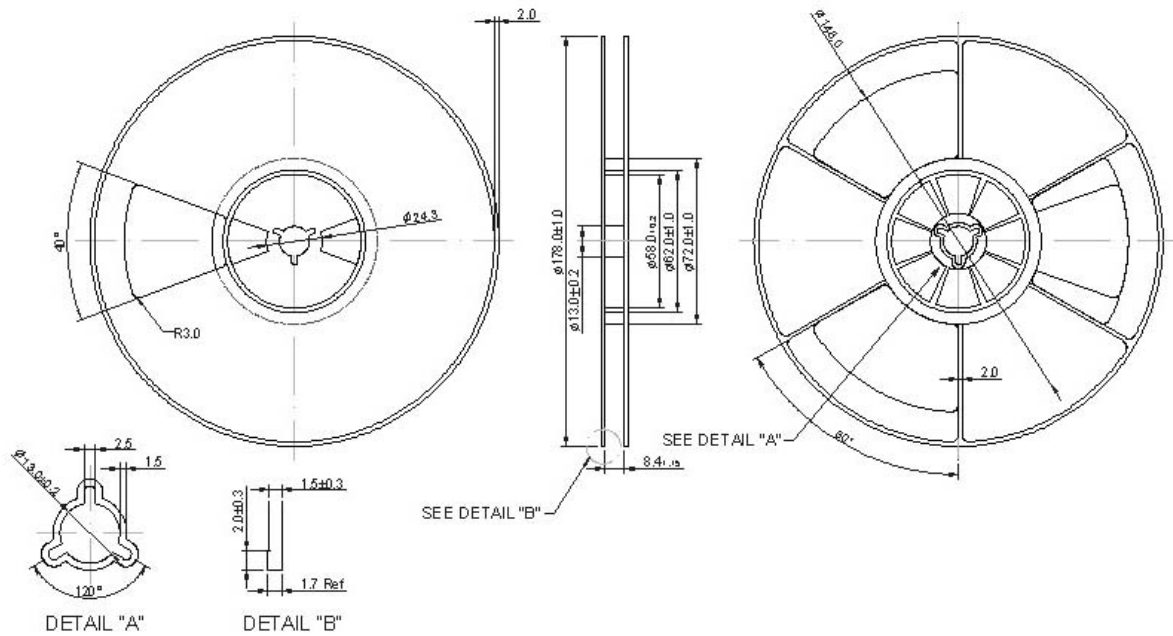


Smith Chart

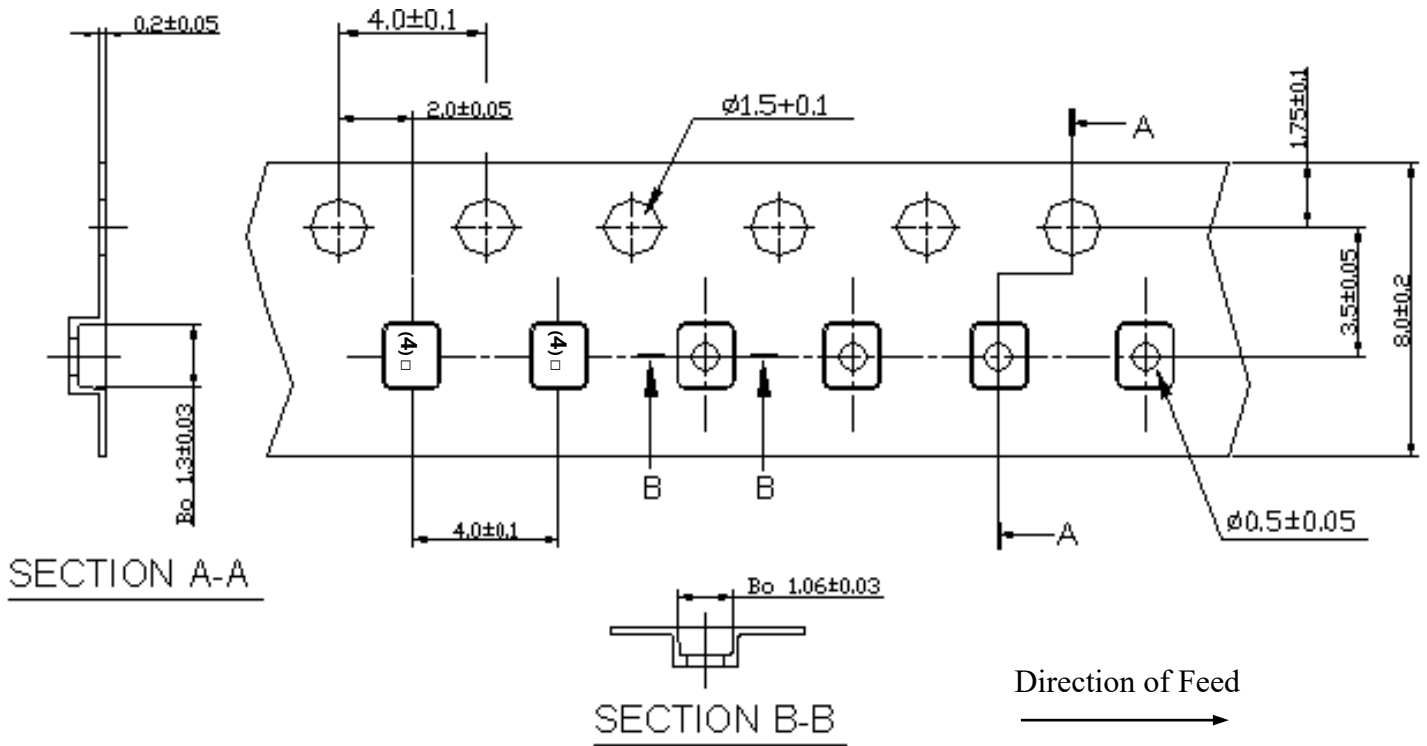


PACKING
REEL DIMENSION

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

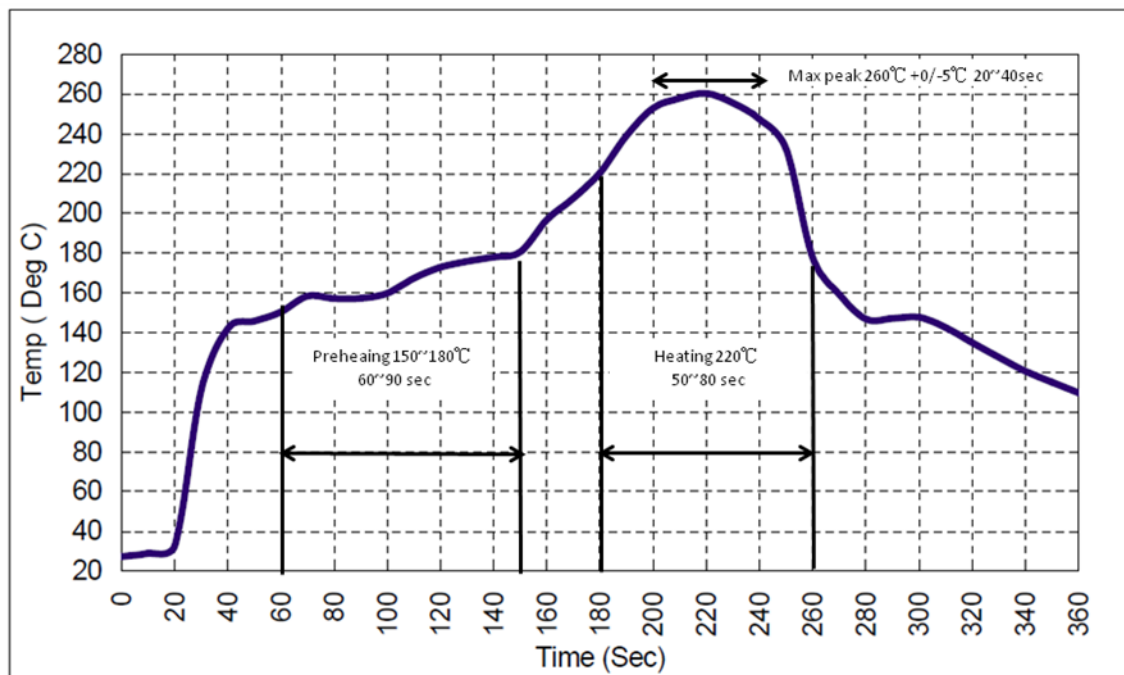


TAPE DIMENSION



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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