

SF2571L

**2595 MHz
SAW Filter**



SM1109

MAXIMUM RATING

- Input Power Level: 28dBm
- 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)

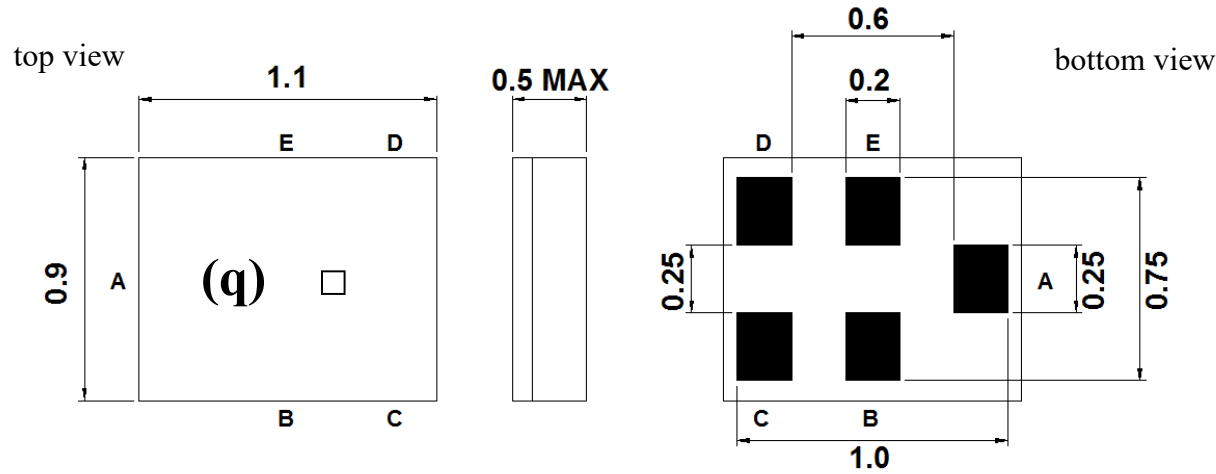
ELECTRICAL CHARACTERISTICS

Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = 50 \Omega$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	2595	-	-
Insertion Loss (2570~2620 MHz) IL	dB	-	1.6	2.5	-
Amplitude ripple (2570~2620 MHz)	dBp-p	-	0.7	1.7	-
VSWR (2570~2620 MHz)		-	1.8	2.2	-
Attenuation (reference level from 0 dB)					
10 ~ 200 MHz	dB	30	41	-	-
200 ~ 1570 MHz	dB	20	29		
1570 ~ 1580 MHz	dB	20	29		
1580 ~ 2000 MHz	dB	20	29	-	-
2000 ~ 2300 MHz	dB	20	31	-	-
2300 ~ 2400 MHz	dB	25	37	-	-
2400 ~ 2485 MHz	dB	25	30	-	-
2485 ~ 2510 MHz	dB	25	29	-	-
2510 ~ 2555 MHz	dB	1.0	2.8	-	-
2635 ~ 2680 MHz	dB	1.0	2.8		
2680 ~ 2705 MHz	dB	30	44		
2705 ~ 3000 MHz	dB	25	36		
3000 ~ 4000 MHz	dB	25	34		
4000 ~ 4900 MHz	dB	20	26		
4900 ~ 6000 MHz	dB	15	22		
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

OUTLINE DRAWING



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

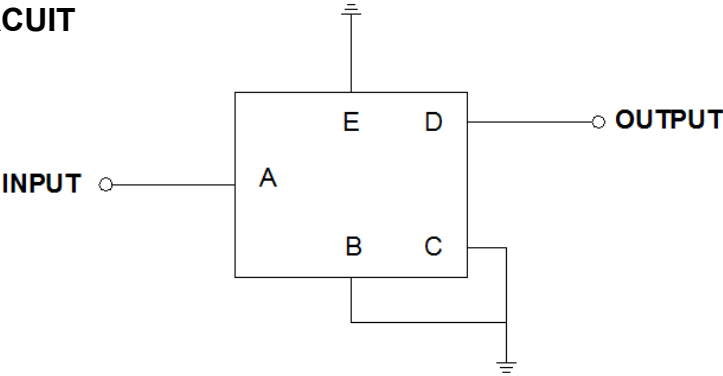
Pin Description	
B, C, E	Ground
A	Input
D	Output

□ : Year/Month Code (Follow the table)

Date Code Table:

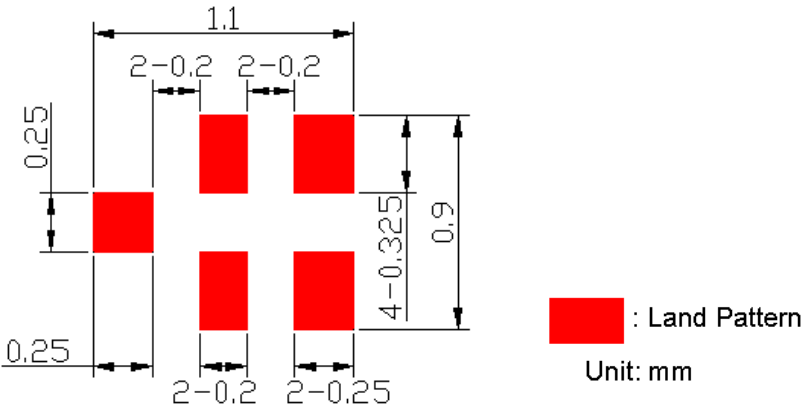
	Jan.	Feb.	Mar.	Apr.	May	Jun.	July	Aug.	Sep.	Oct.	Nov.	Dec.
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>

MEASUREMENT CIRCUIT



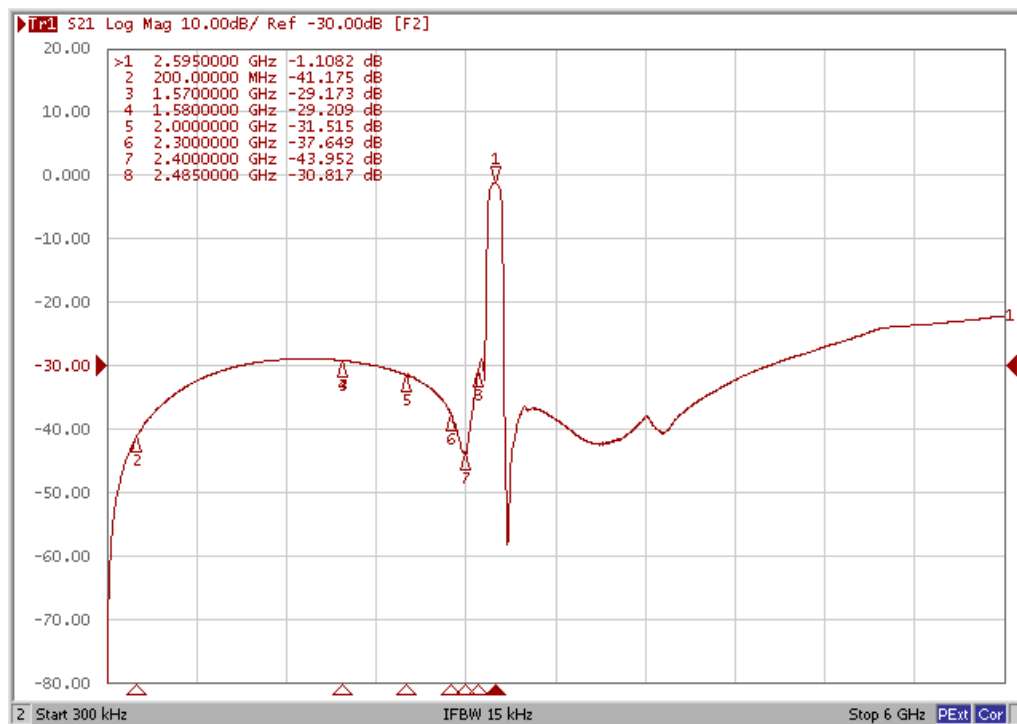
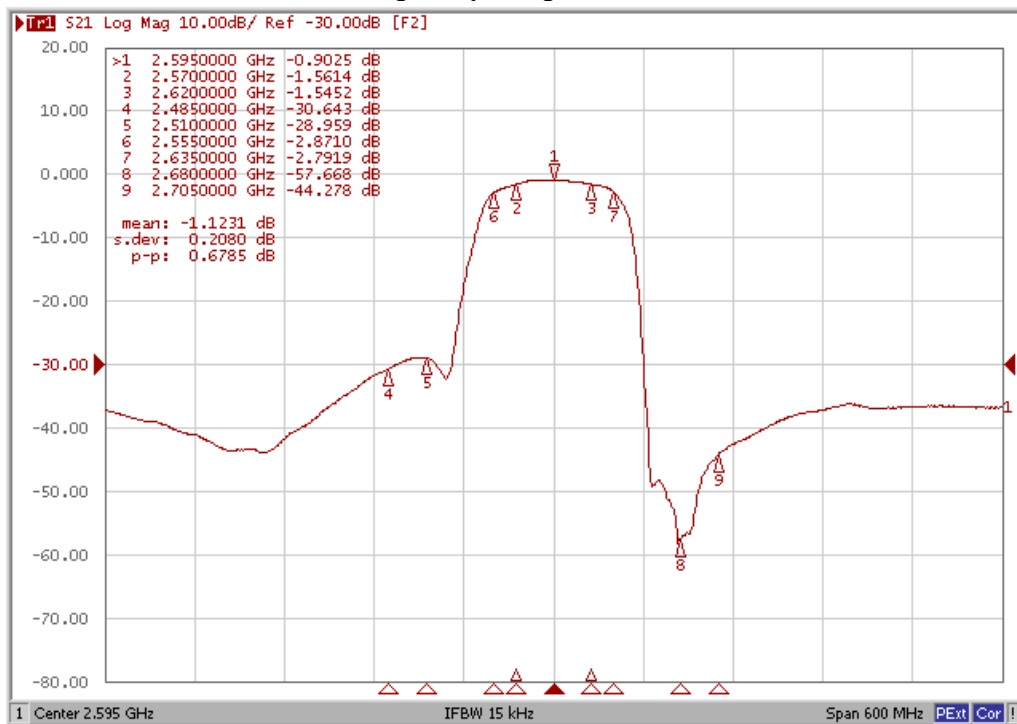
Source & Load Impedance: 50 Ω

PCB Footprint



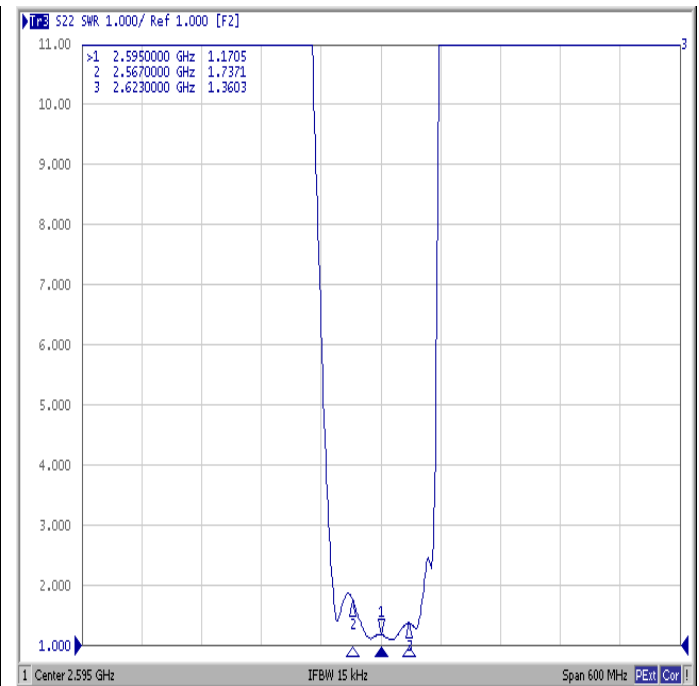
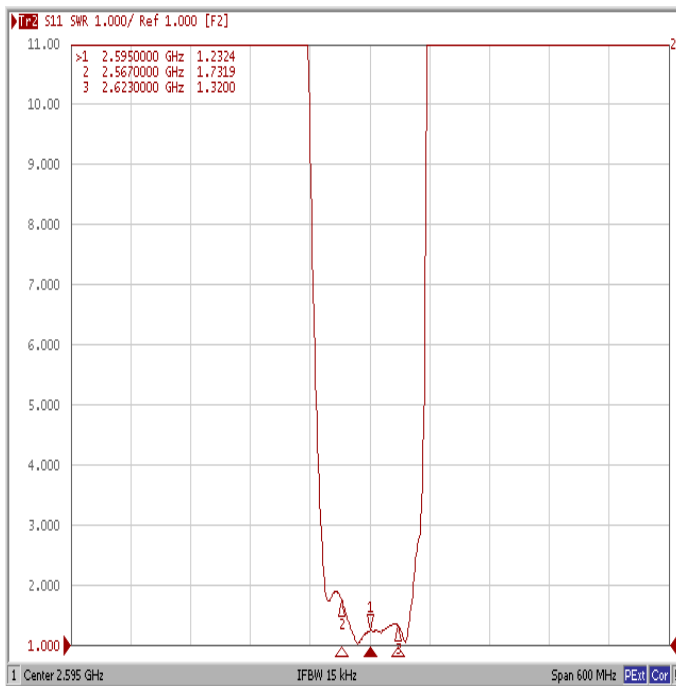
Frequency Characteristics

Frequency Response

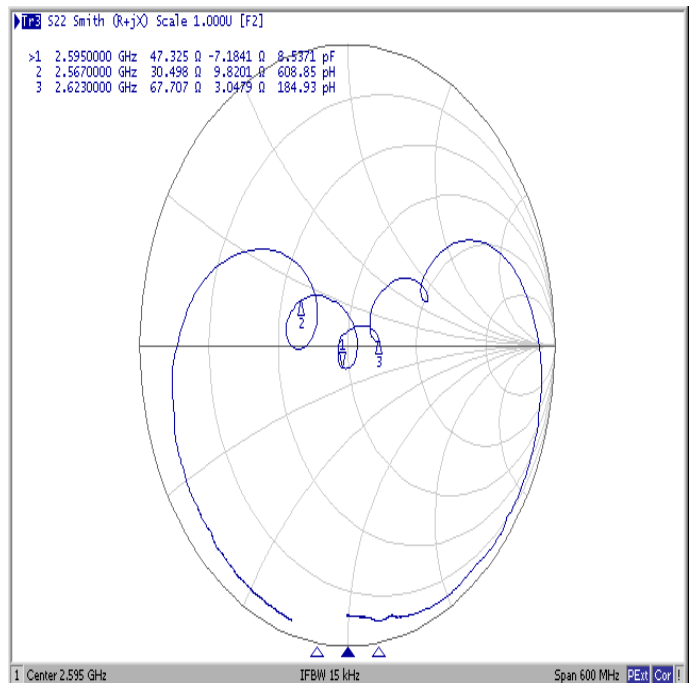
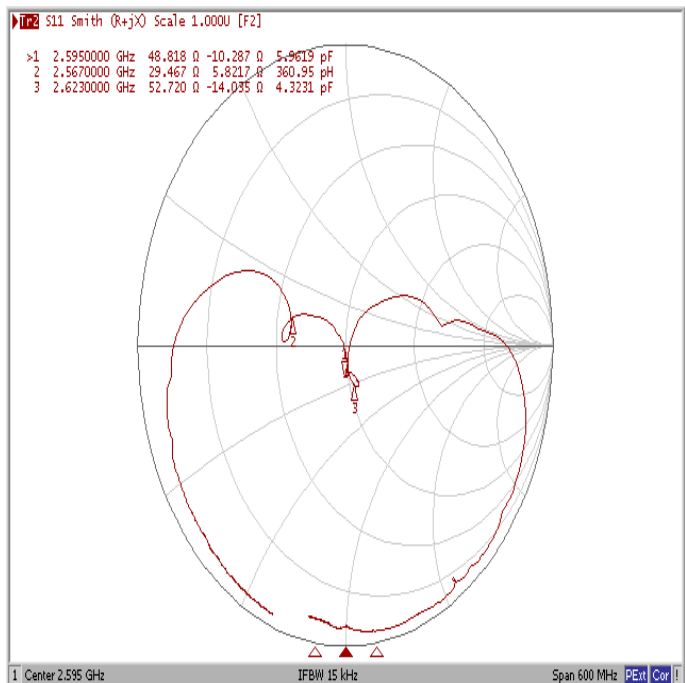


Reflection Functions

VSWR

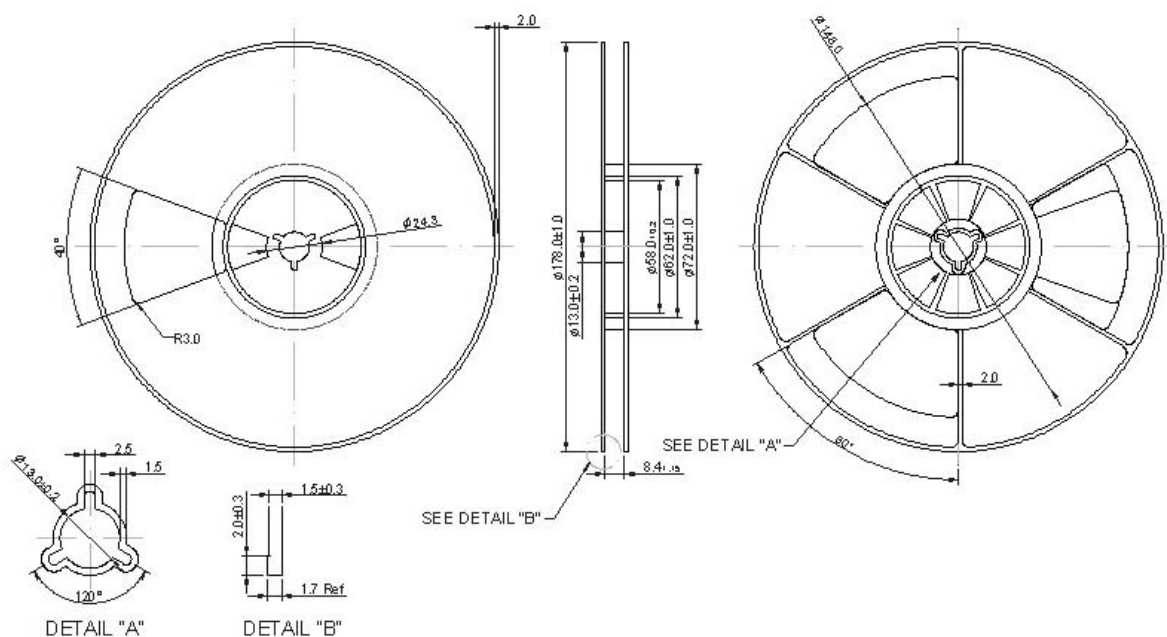


Smith Chart

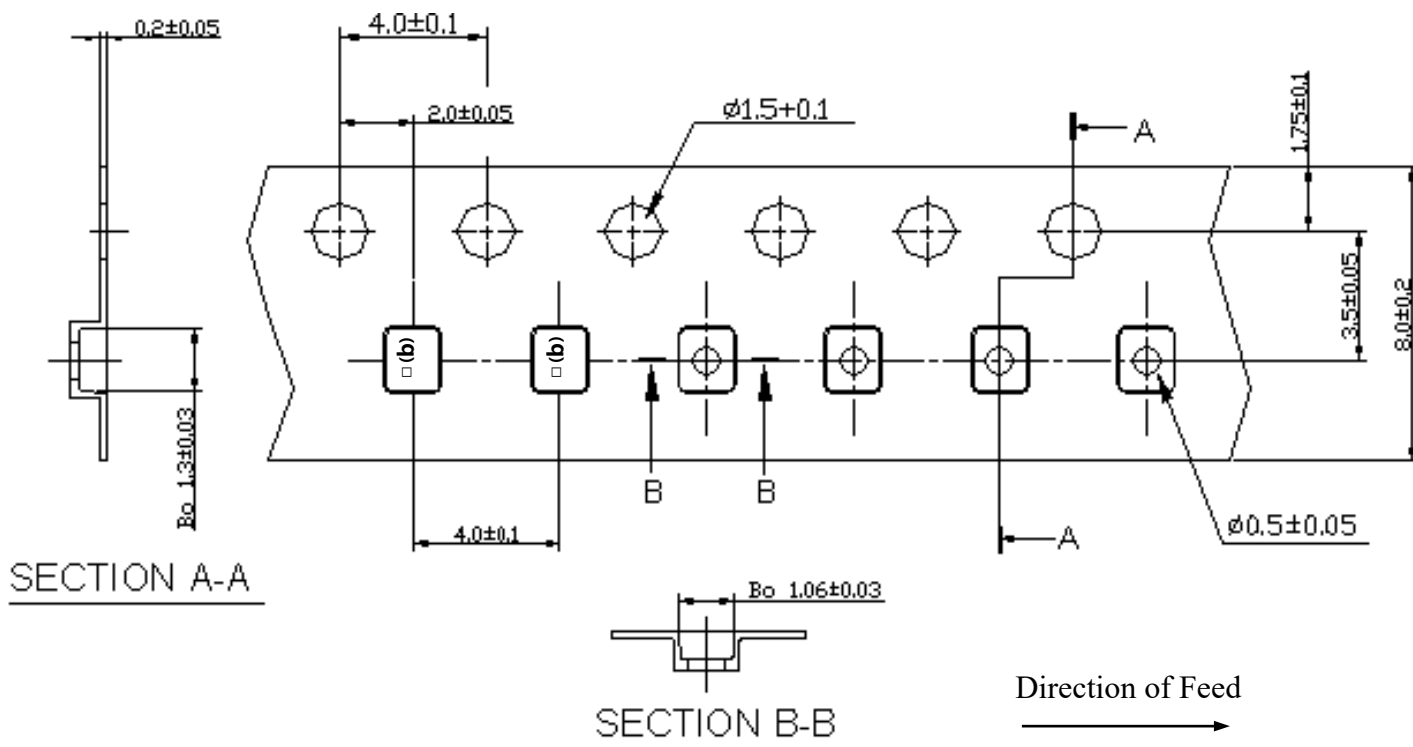


PACKING REEL DIMENSION

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

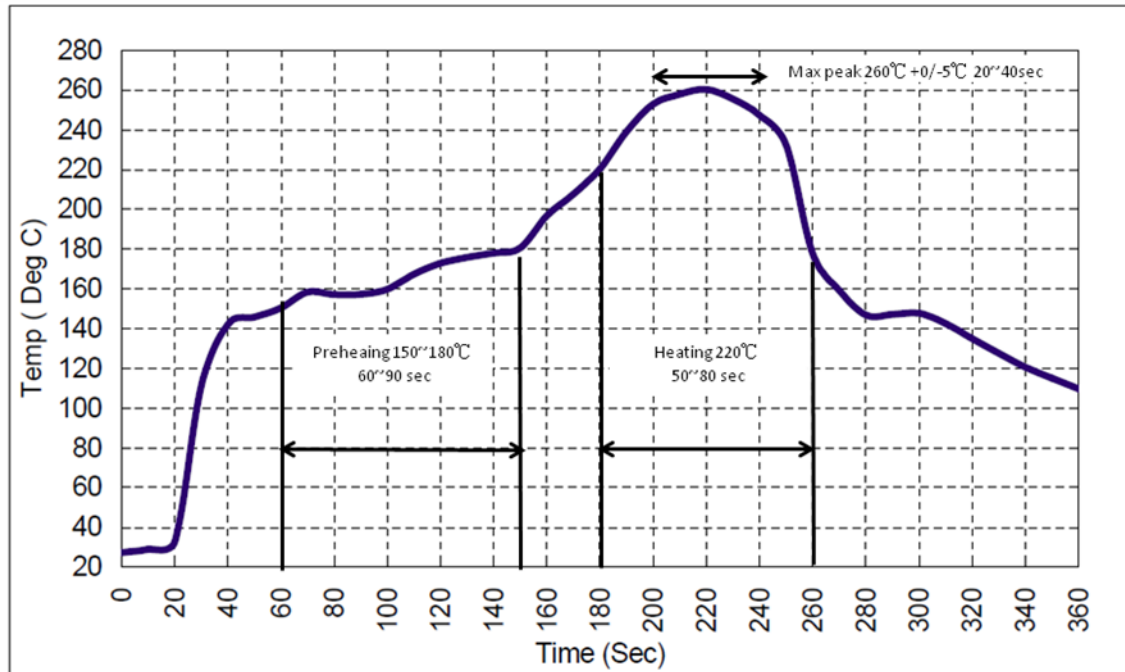


TAPE DIMENSION



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.



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.