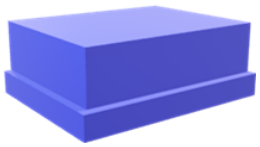
RFMi
BRAND OF AKOUSTIS

RoHS compliant

SF2570L

2595 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)

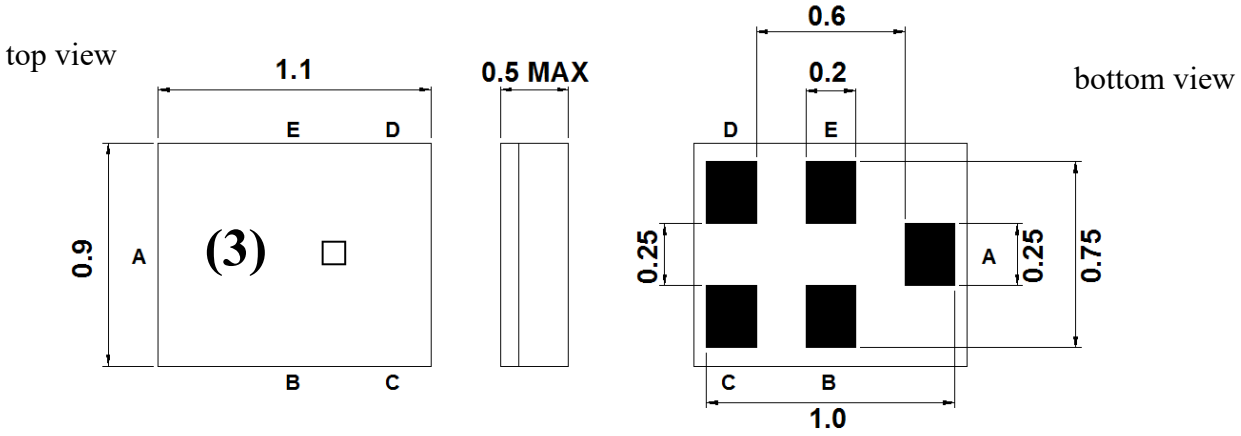
ELECTRICAL CHARACTERISTICS

Terminating source impedance : Zs = 50 Ω

Terminating load impedance : Z_L = 50 Ω

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/℃	-	-36	-	-

OUTLINE DRAWING



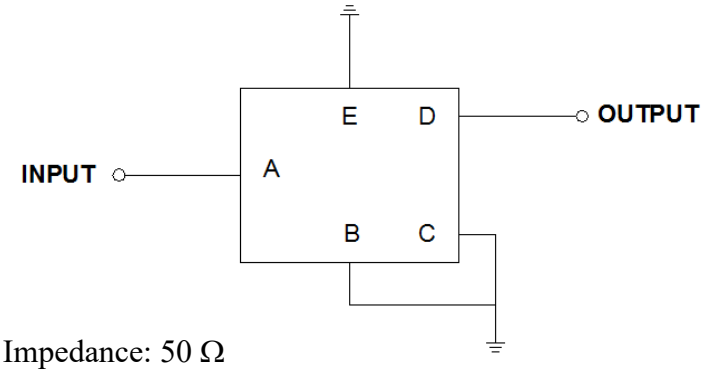
Marking Descriptions	
(3)	Series Number
□	Date Code(Year+Month)

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

□ : Year/Month Code (Follow the table)

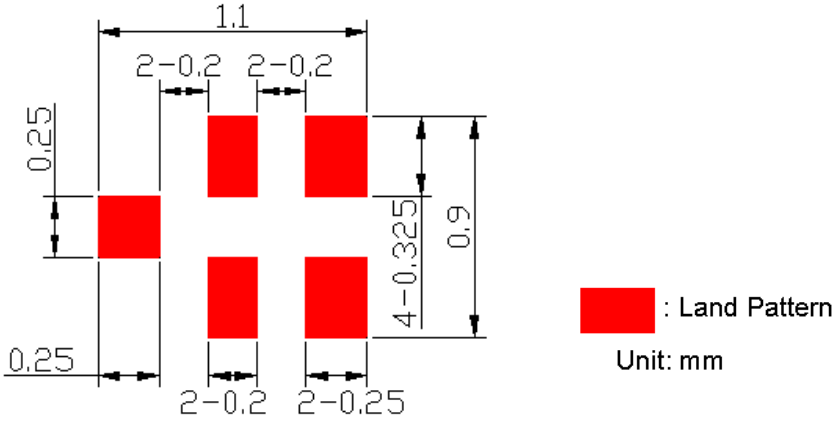
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	A	B	C	D	E	F	G	H	J	K	L	M
2018	N	P	Q	B	S	I	U	V	W	X	Y	Z
2019	a	b	c	d	e	f	g	h	i	k	l	m
2020	n	p	g	r	s	t	u	v	w	x	v	z

MEASUREMENT CIRCUIT



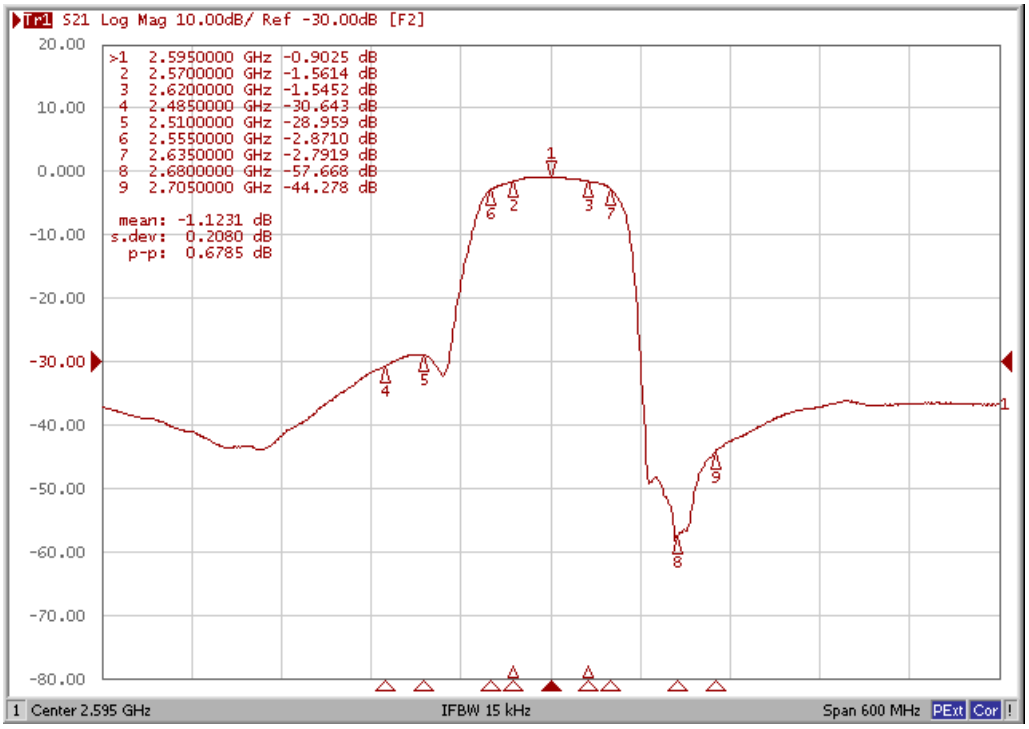
Source & Load Impedance: 50 Ω

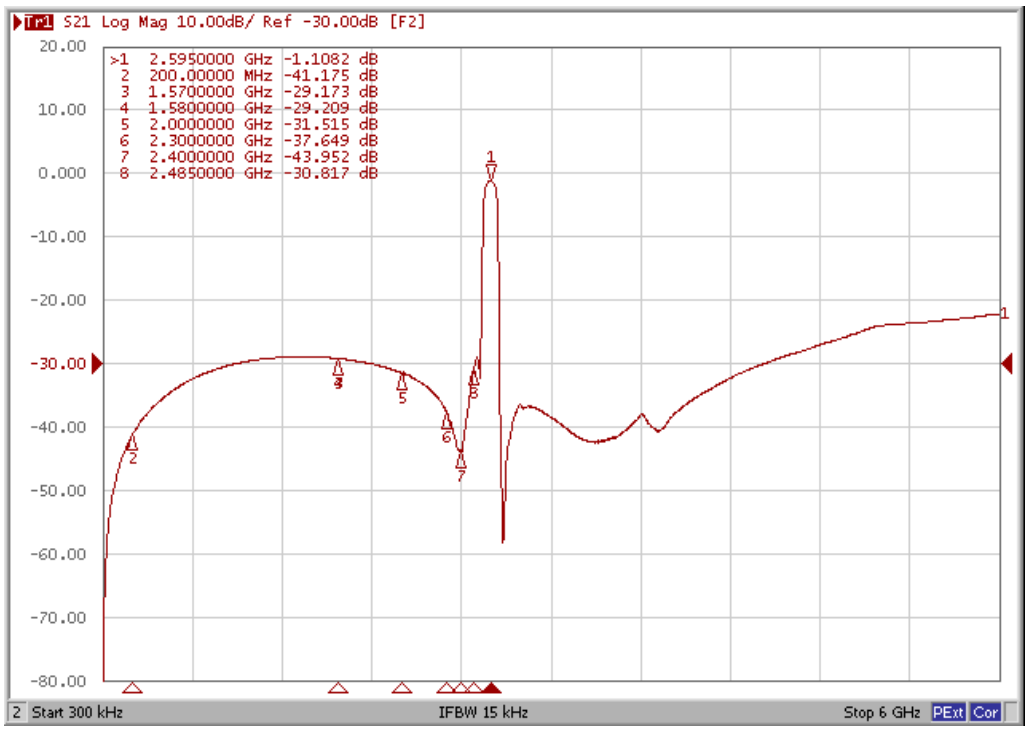
PCB Footprint



Frequency Characteristics

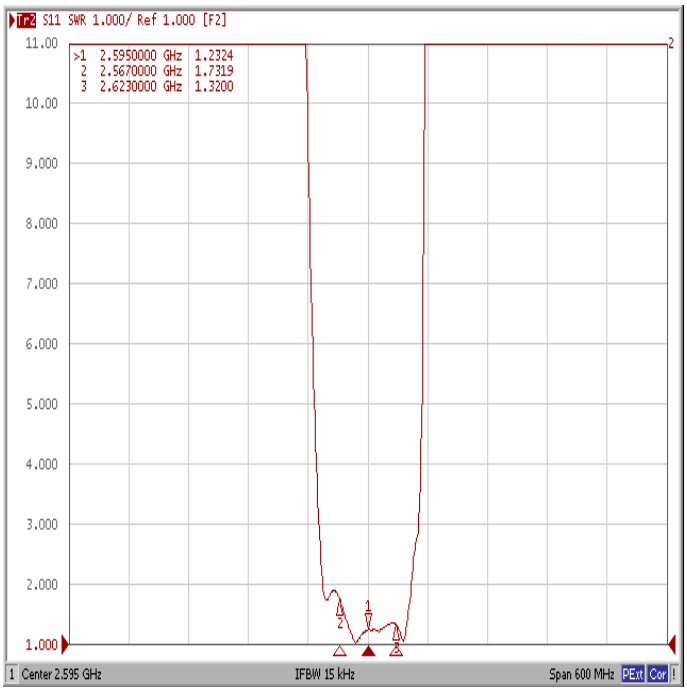
Frequency Response

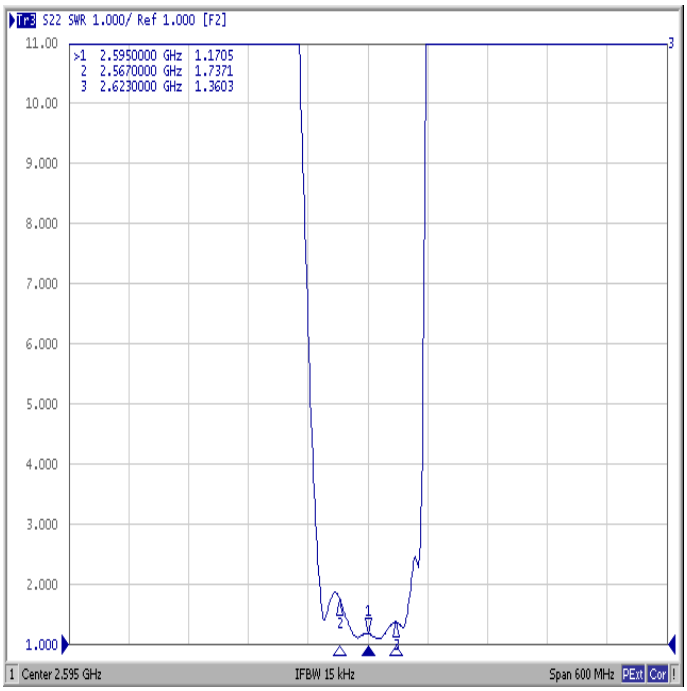




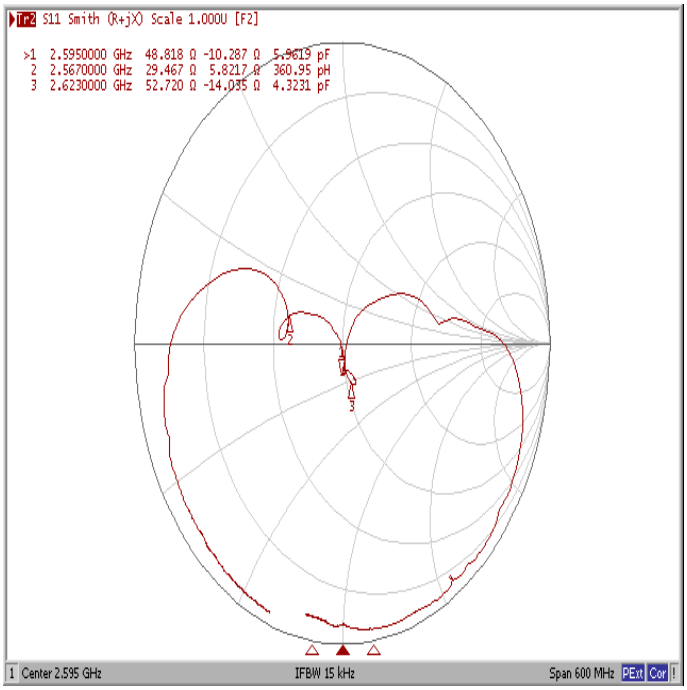
Reflection Functions

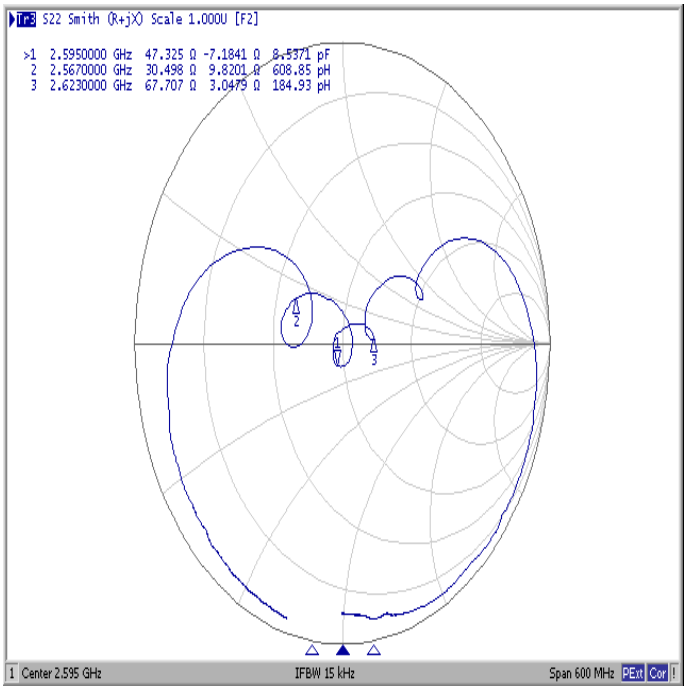
VSWR





Smith Chart

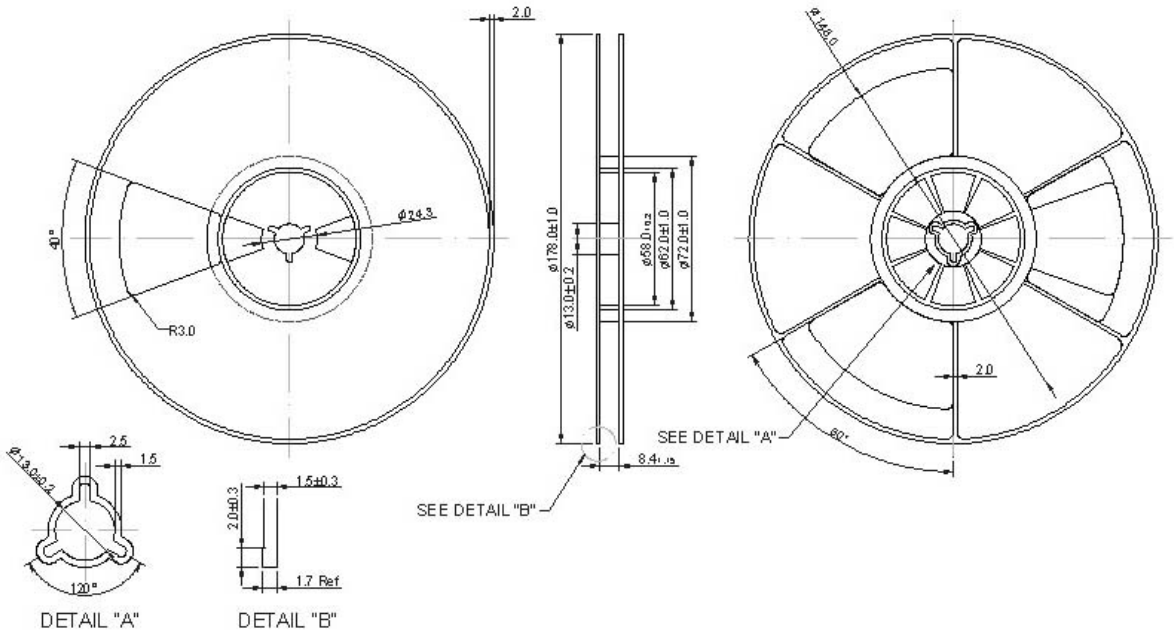




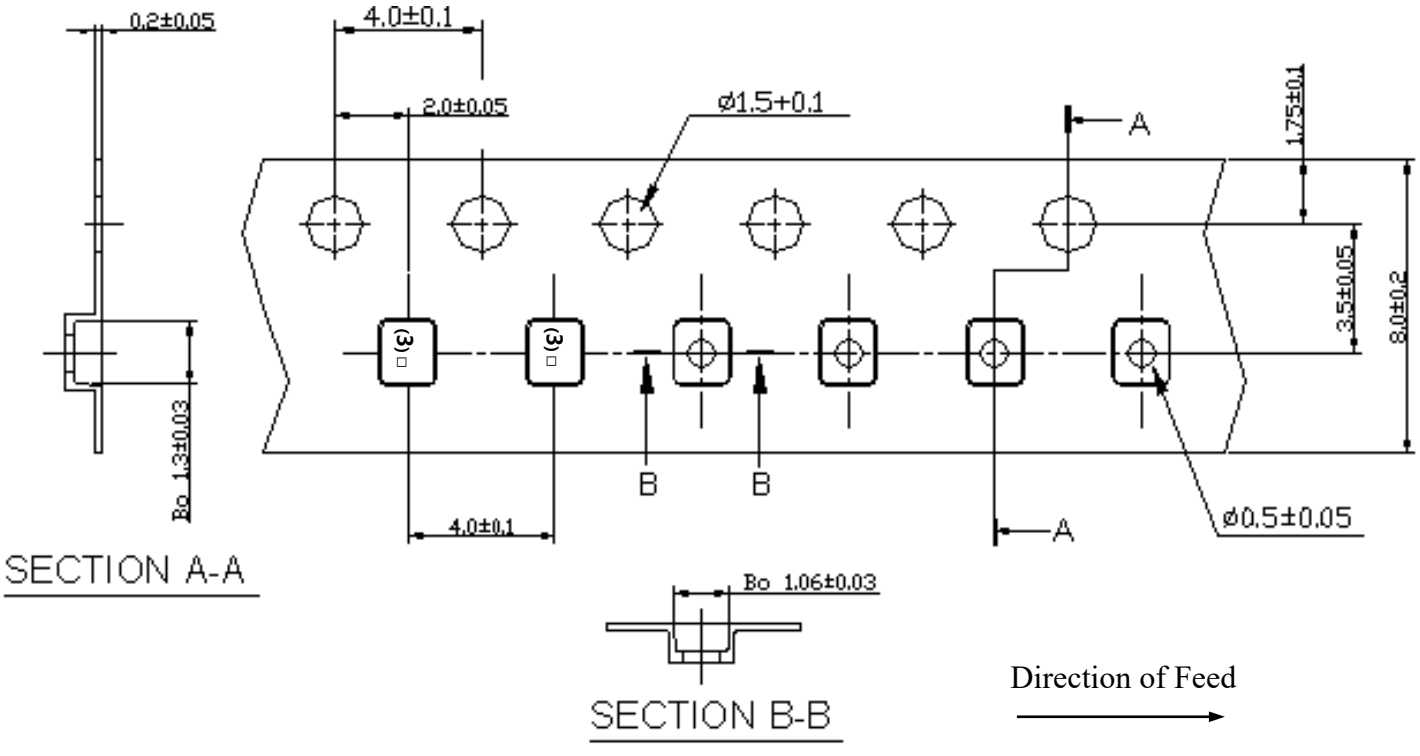
PACKING

REEL DIMENSION

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

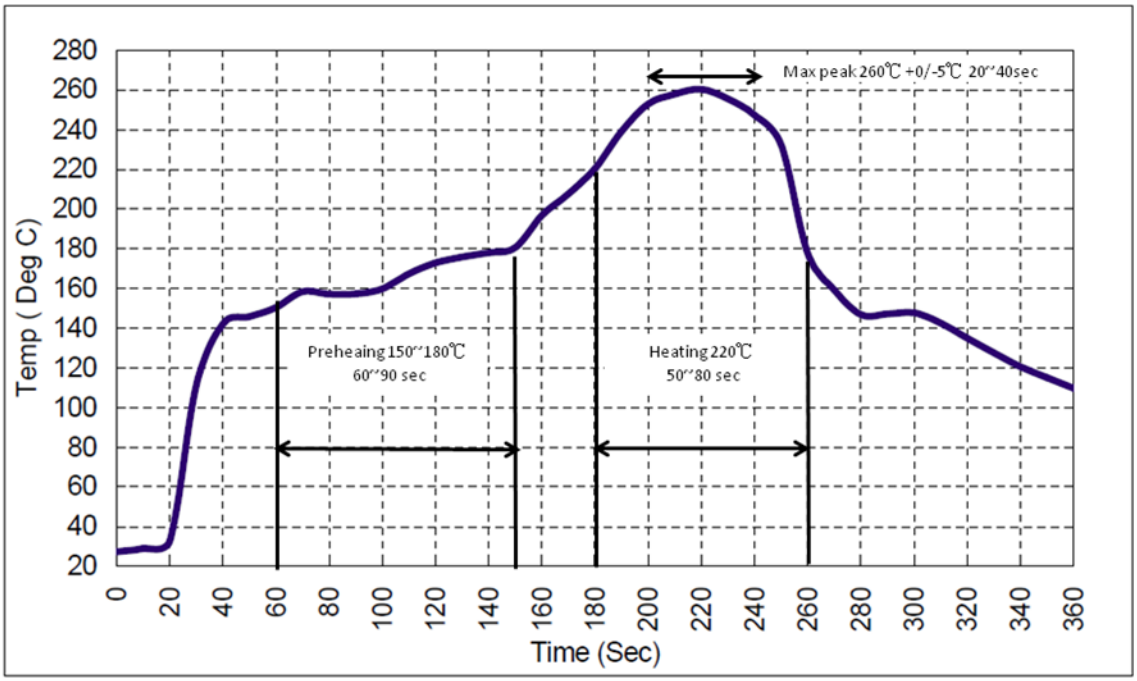


TAPE DIMENSION



RECOMMENDED REFLOW PROFILE

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ 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.