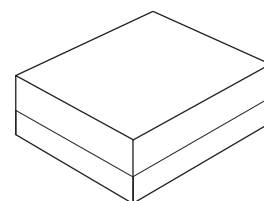


SF2721K

**915 MHz
SAW Filter**



SM1411-5

MAXIMUM RATING:

- Input Power Level: 10 dBm
- DC Voltage : 3V
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +125°C
- Moisture Sensitivity Level: Level 3 (MSL 3)
- ESD 100V(MM) 200V(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	-	915	-	-
Insertion Loss (902~928 MHz) IL	dB	-	2.0	3.0	-
Amplitude ripple (902~928 MHz)	dB	-	0.8	1.5	-
VSWR (902~928 MHz)		-	1.6	2	-
Group Delay Deviation (902~928 MHz)	ns	-	11	50	-
Attenuation (reference level from 0 dB)					
10~800 MHz	dB	42	46	-	-
800~845 MHz	dB	40	44	-	-
845~869 MHz	dB	33	38	-	-
869~894 MHz	dB	7	9.5		
970~1005 MHz	dB	35	40	-	-
1005~1110 MHz	dB	38	43	-	-
1110~2000 MHz	dB	30	40	-	-
2000~3000 MHz	dB	25	35	-	-
3000~6000 MHz	dB	20	30	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-



CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

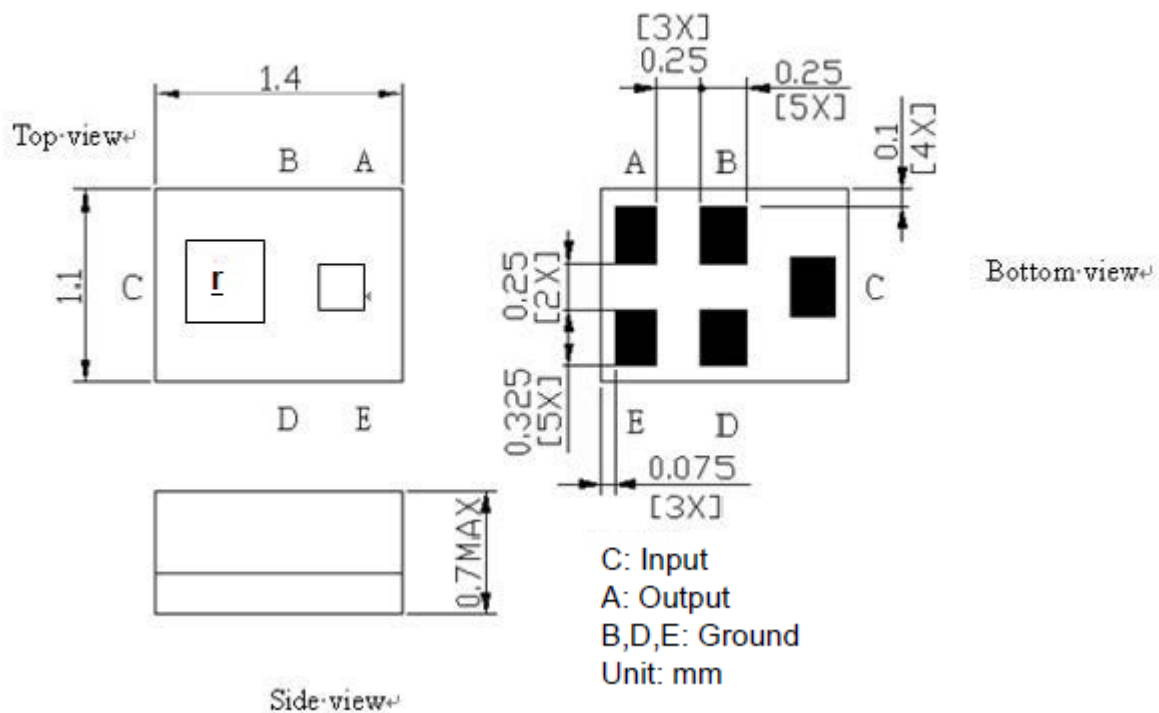
NOTES:

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.

OUTLINE DRAWING:

r - Number Product Code

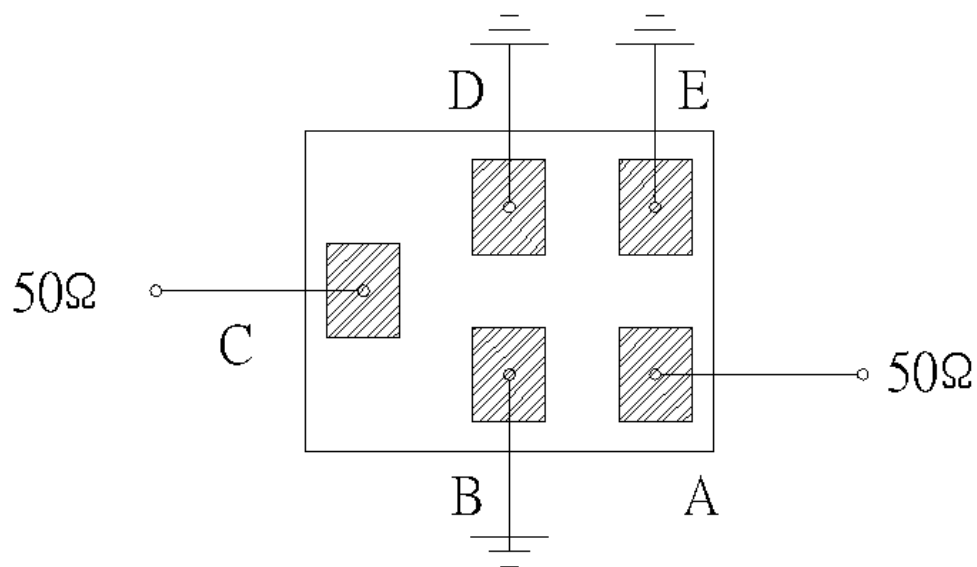
k - Year/Month



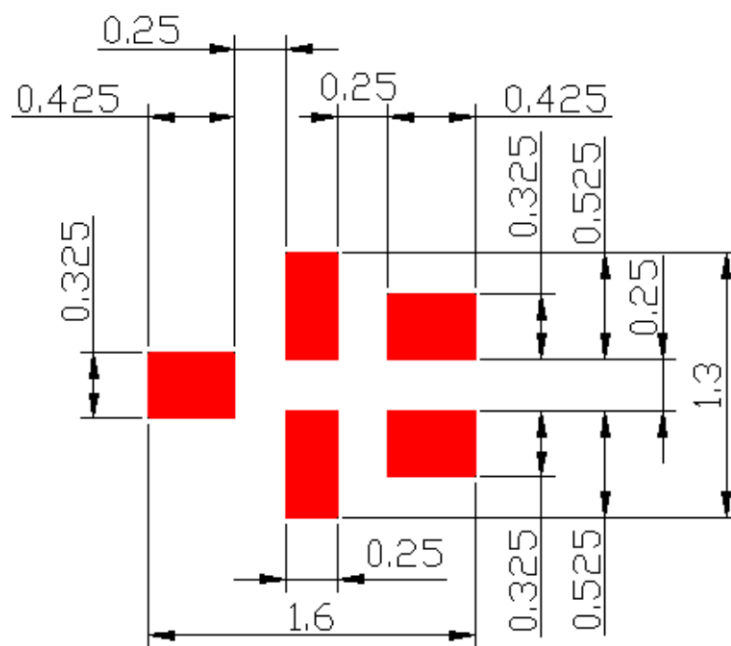
k : Year/Month Code (Follow the table)

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2021	A	B	C	D	E	F	G	H	J	K	L	M
2022	N	P	Q	R	S	T	U	V	W	X	Y	Z
2023	a	b	c	d	e	f	g	h	j	k	l	m
2024	n	p	q	r	s	t	u	v	w	x	y	z
2025	<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>
2026	<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>
2027	<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>
2028	<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:

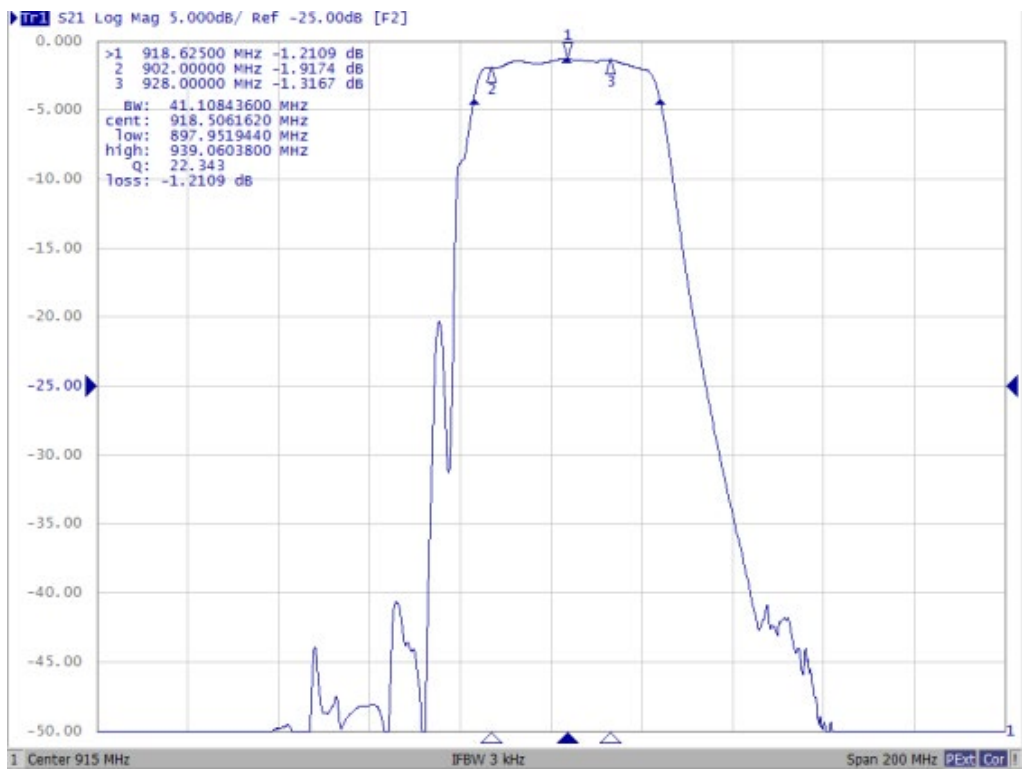


PCB Footprint:



 : Land Pattern
Unit : mm

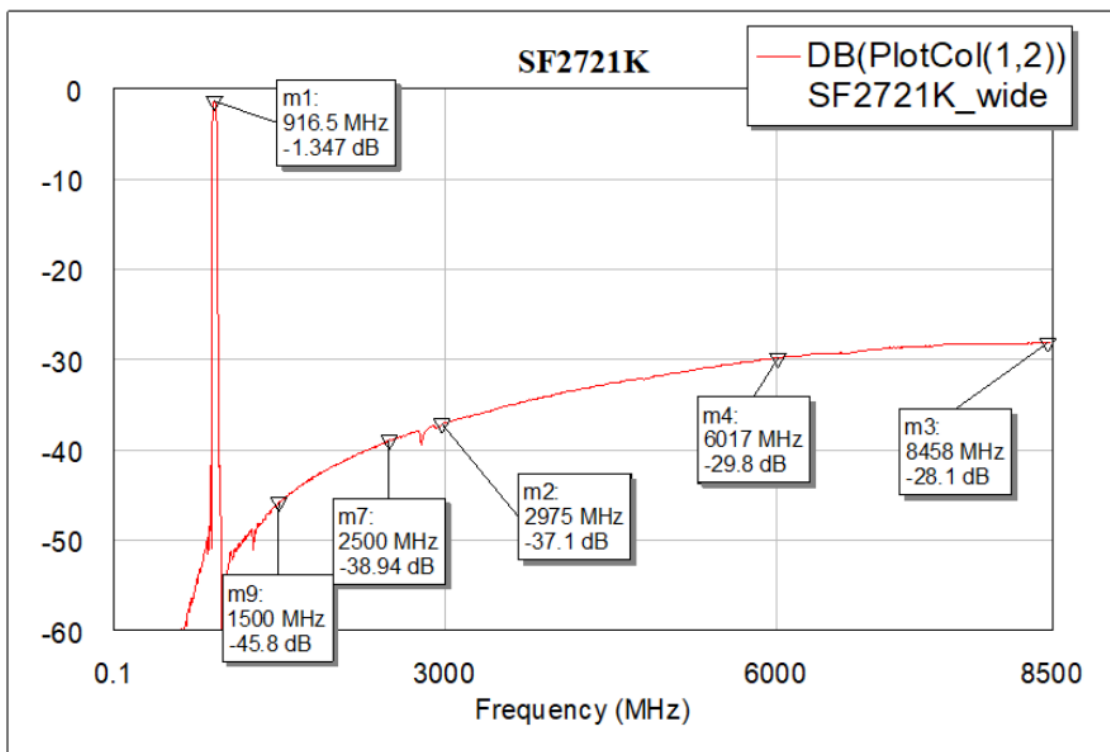
Frequency Characteristics:
S21_span 200MHz



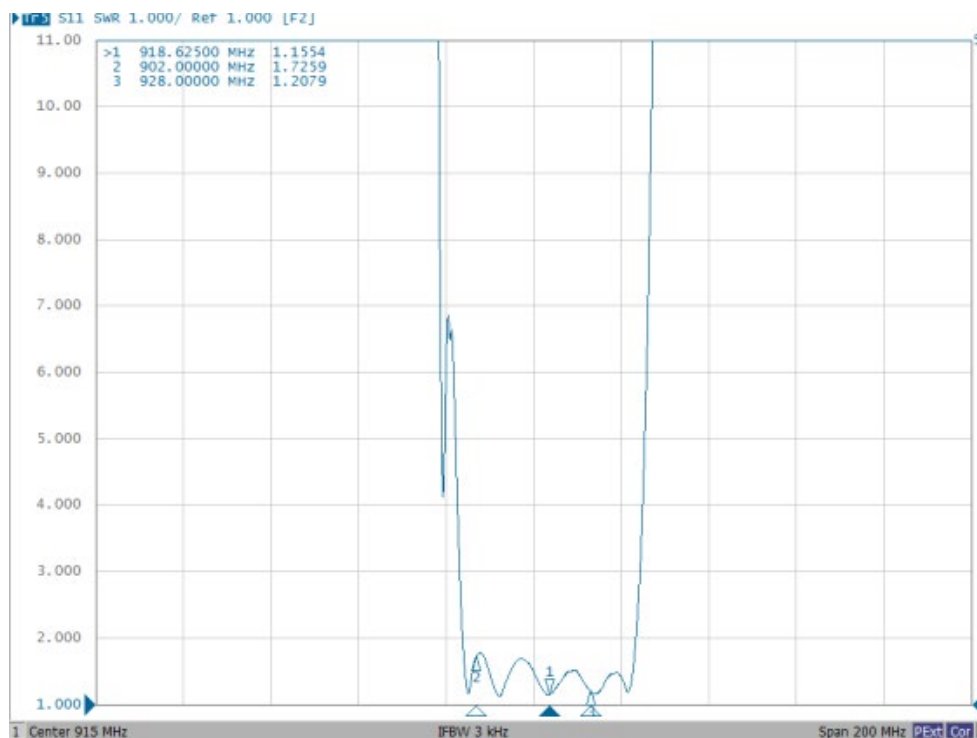
S21_span 100MHz

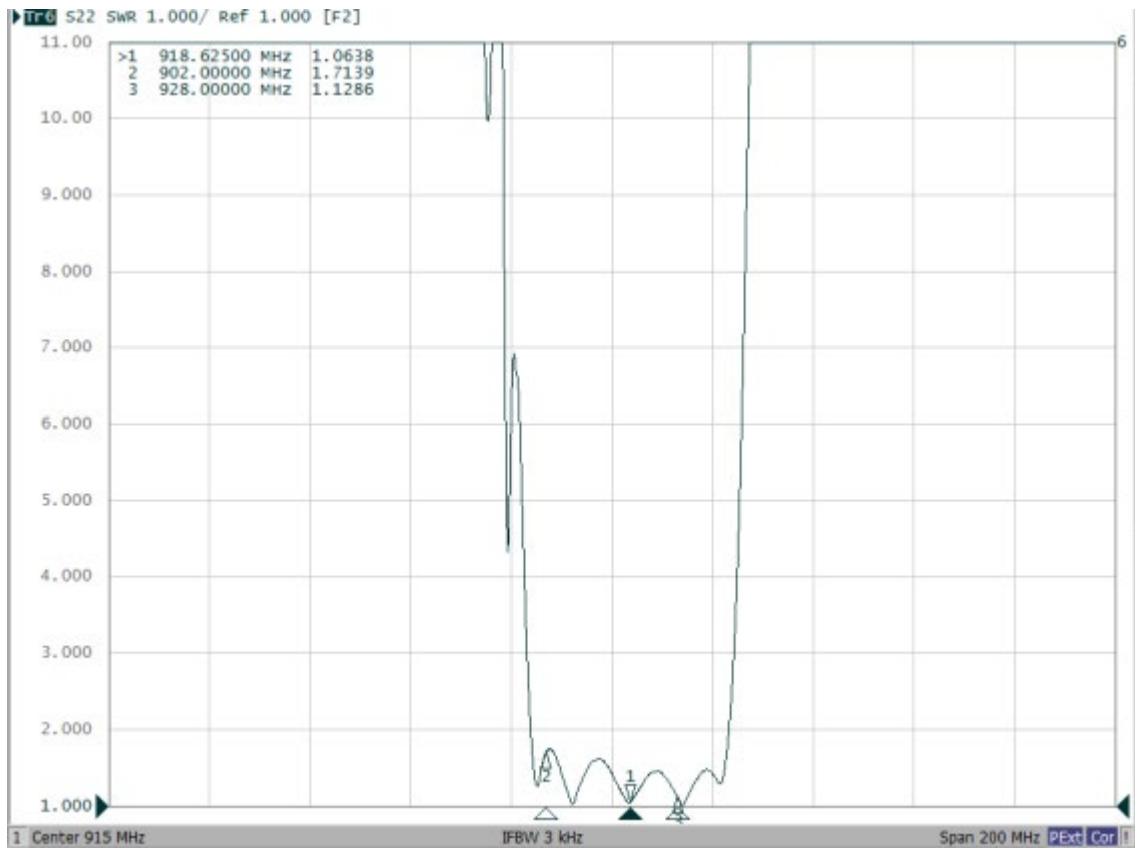


S21_span 8.5GHz



Reflection Functions: S11/S22_span 200MHz

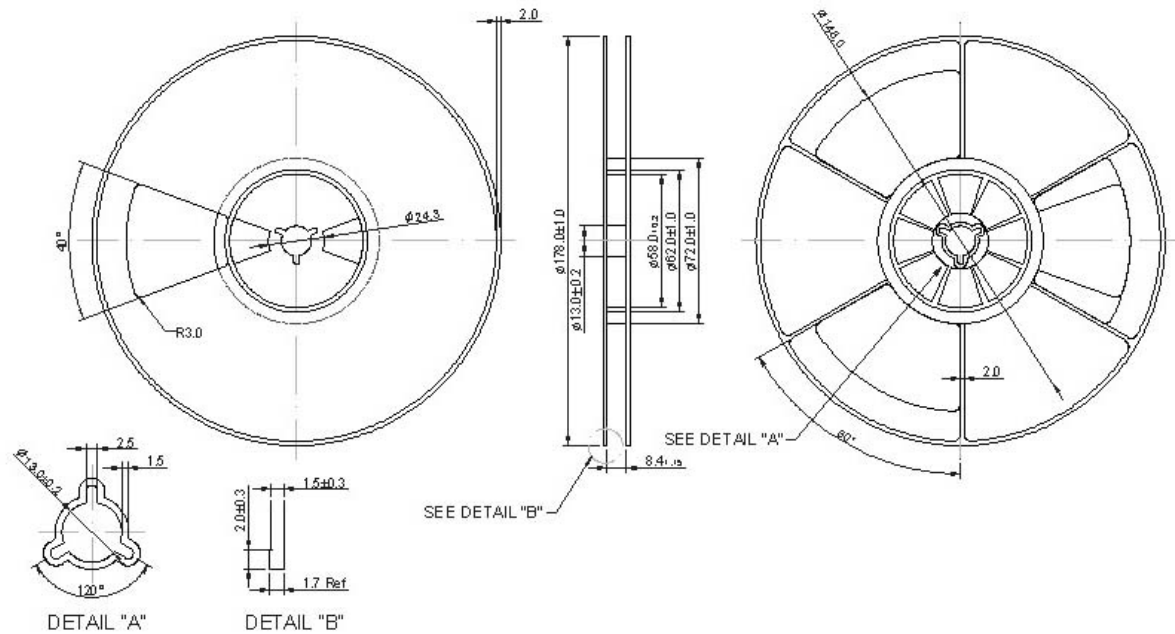




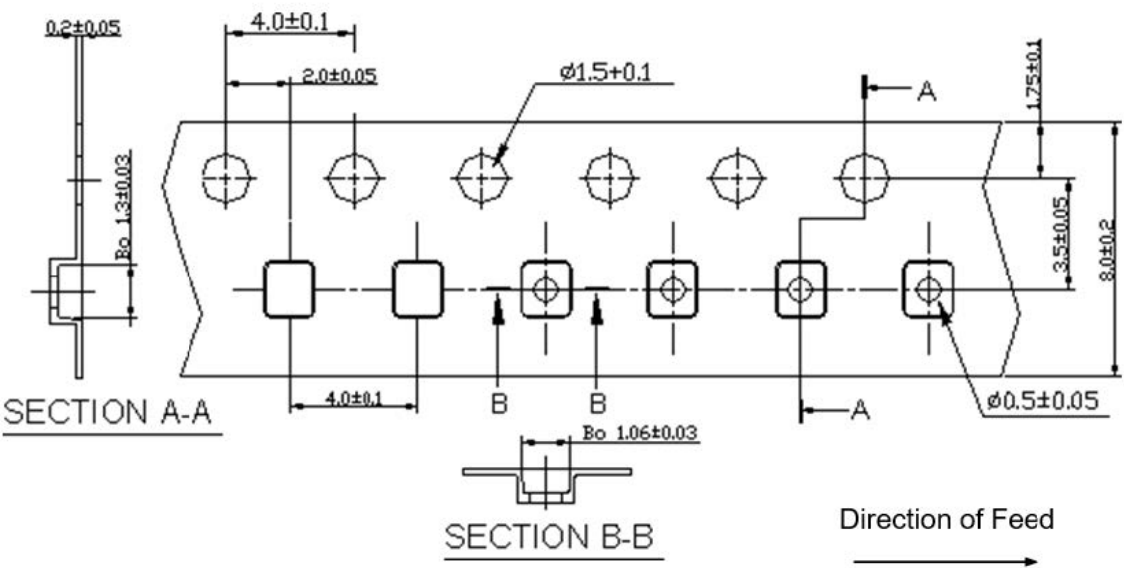
PACKING:

Reel Count: 7" = 3000

1. REEL DIMENSION



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.

