



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: SAW Filter 2535 MHz CSP 1.1×0.9 mm

TST Parts No.: TA2631A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Michael Yang *Michael*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2021/08/02

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.

SAW Filter 2535 MHz CSP 1.1×0.9 mm

MODEL NO.: TA2631A

REV. No.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level: Level 3 (MSL3)



Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

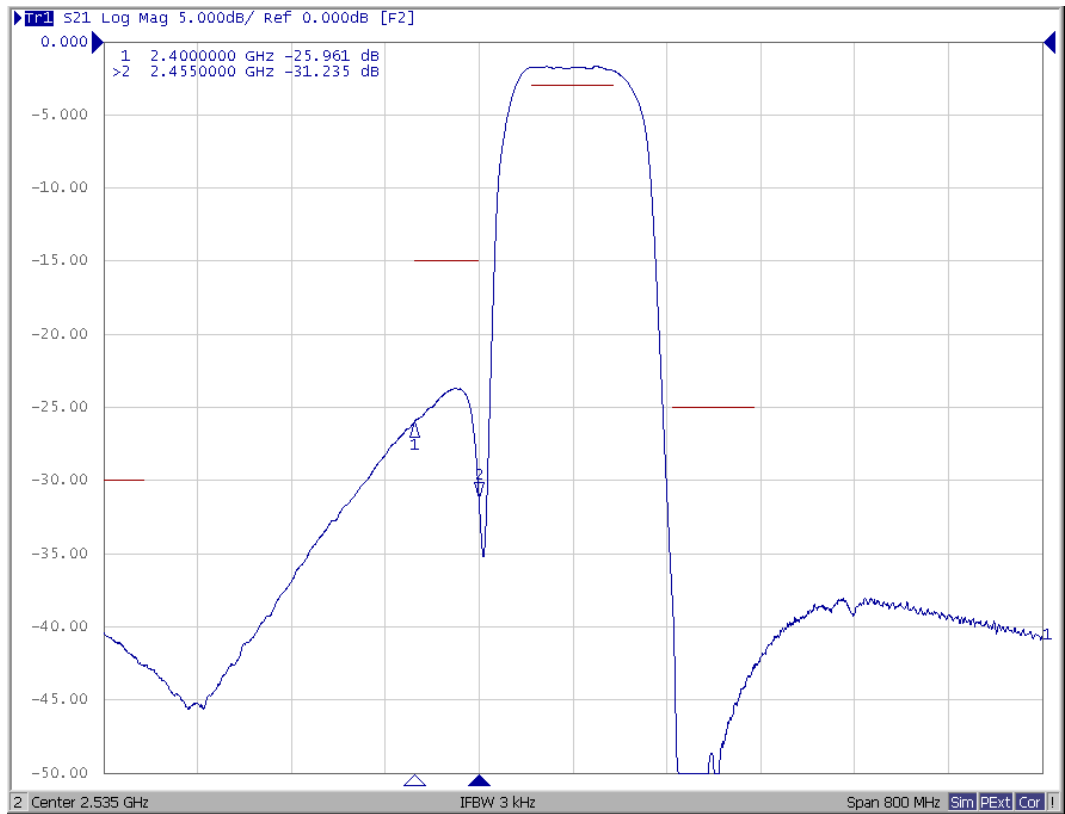
Terminating source impedance: $Z_s = 50 \Omega$

Terminating load impedance: $Z_L = 50 \Omega$

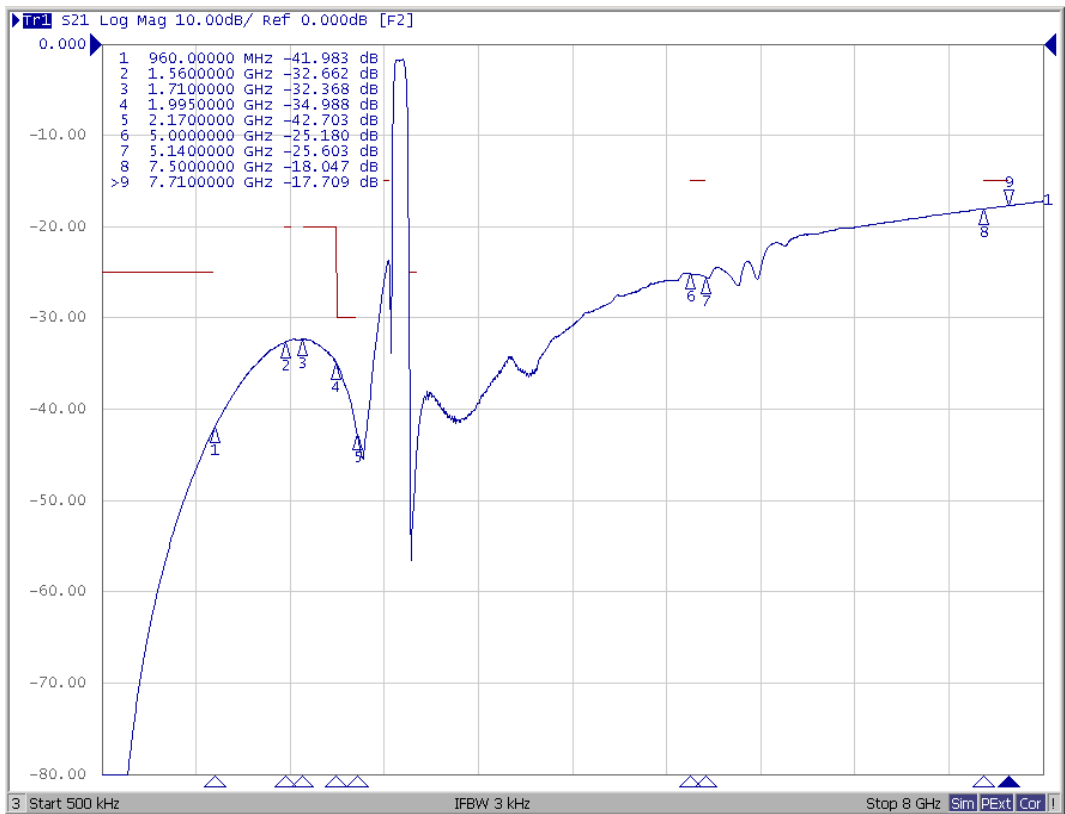
Item	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	2535	-
Insertion Loss (2500 ~ 2570 MHz)	dB	-	1.8	3.0
Amplitude Ripple (2500 ~ 2570 MHz)	dB	-	0.4	1.5
VSWR (2500 ~ 2570 MHz)	-	-	1.8	2.2
Attenuation (reference level from 0 dB)				
10 ~ 960 MHz	dB	25	42	-
1560 ~ 1610 MHz	dB	20	32	-
1710 ~ 1995 MHz	dB	20	32	-
1995 ~ 2170 MHz	dB	30	35	-
2400 ~ 2455 MHz	dB	15	24	-
2620 ~ 2690 MHz	dB	25	40	-
5000 ~ 5140 MHz	dB	15	25	-
7500 ~ 7710 MHz	dB	15	18	-

C. Frequency Characteristics :

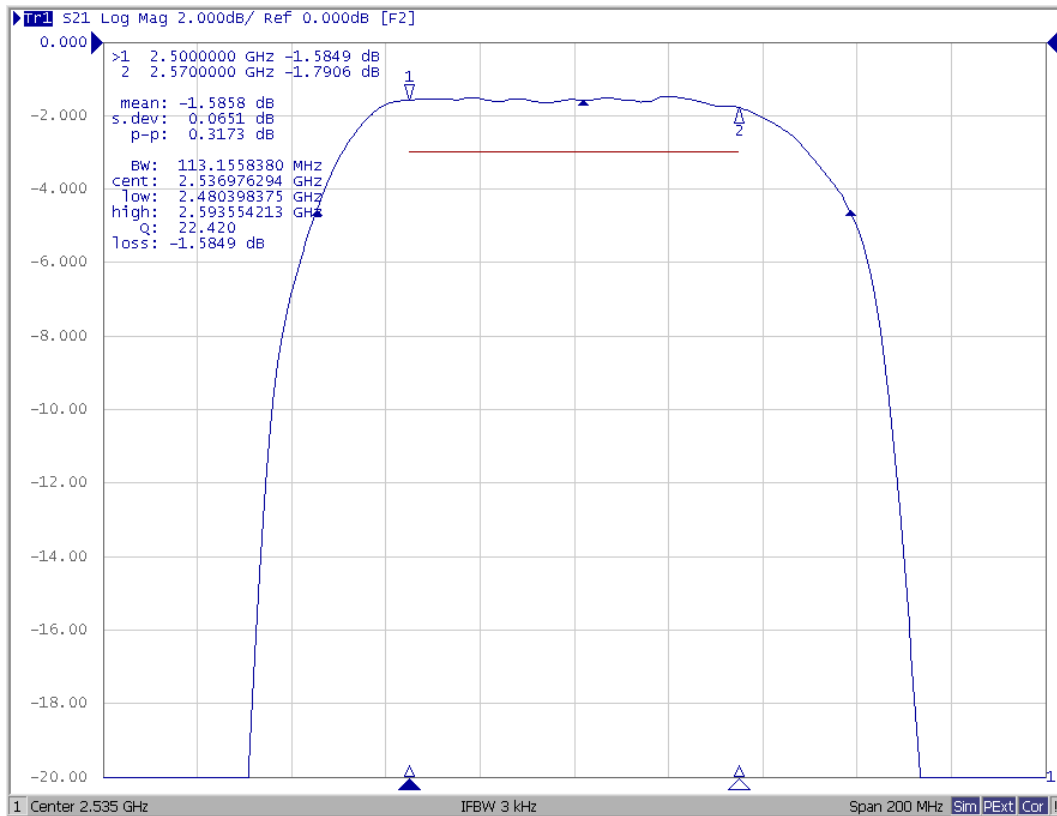
Span 800 MHz



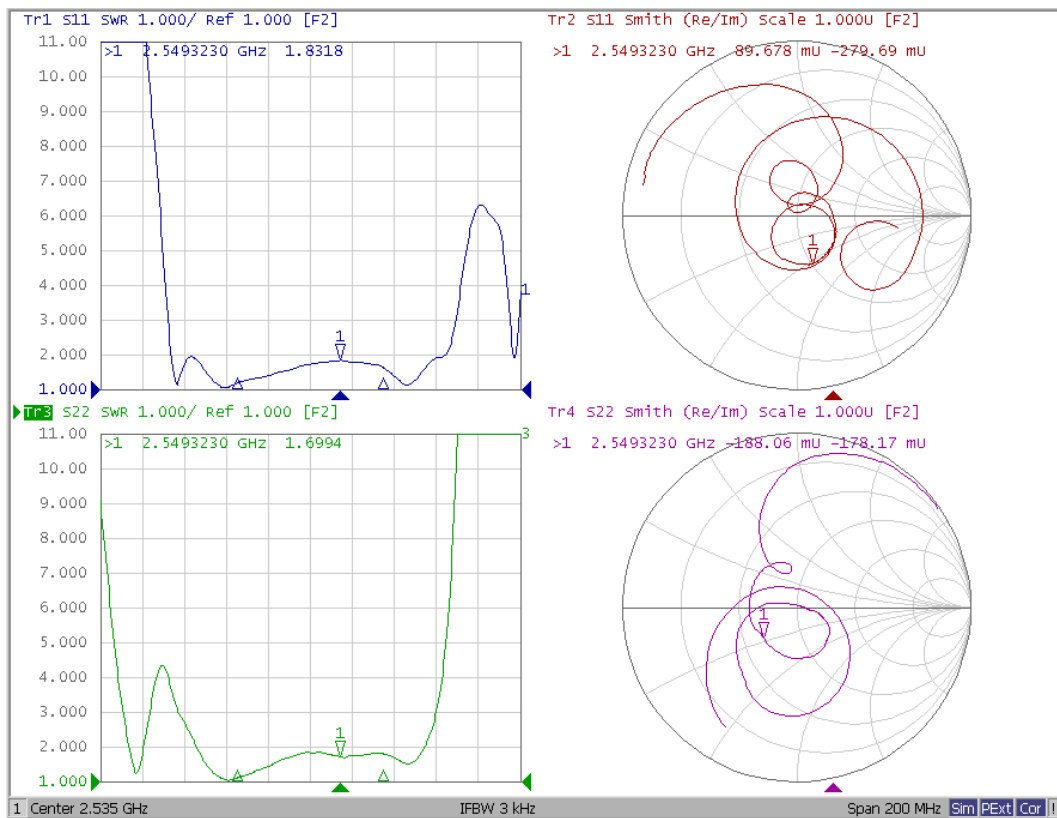
Span 8000 MHz



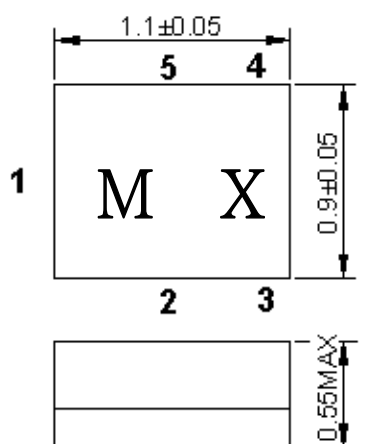
Ripple Span 200 MHz



Reflective Characteristic



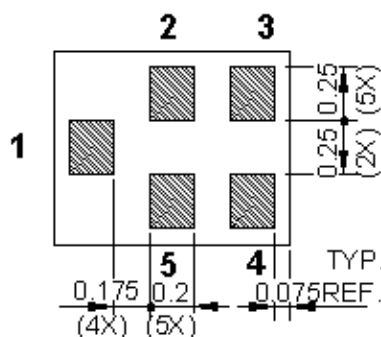
D. OUTLINE DRAWING:



All tolerances are ± 0.05 mm unless otherwise specified
Coplanarity : 0.1 mm max.

1 to 5 : Pin No.

Unit : mm



Marking Descriptions	
M	Series Number
X	Date Code(Year+Month)

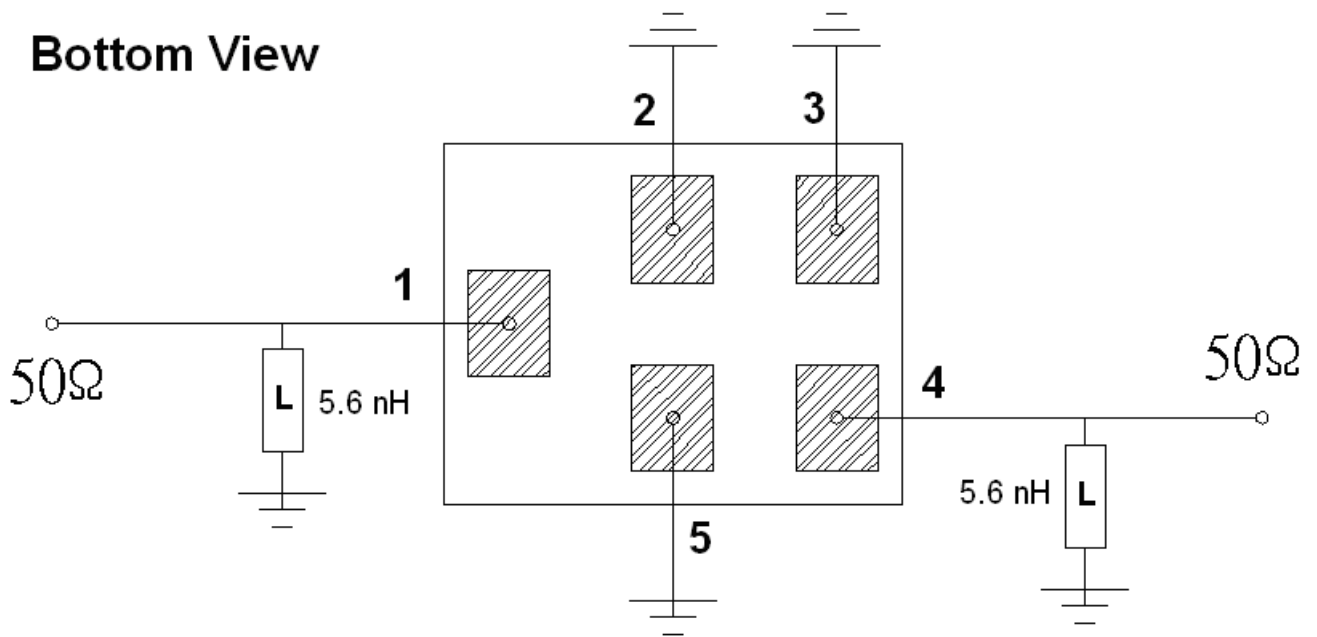
Pin Description	
2, 3, 5	Ground
1	Input
4	Output

X : 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>i</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>

E. MEASUREMENT CIRCUIT:

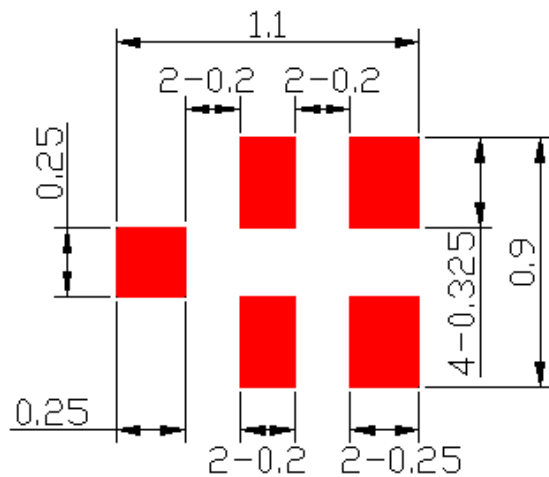
Bottom View



Source Impedance: 50 Ω

Load Impedance: 50 Ω

F. PCB Footprint:



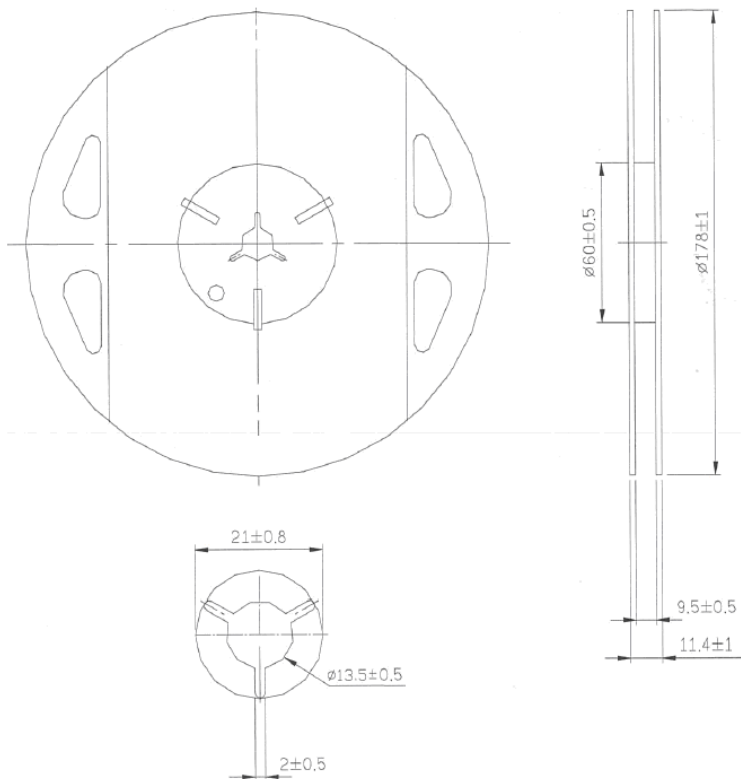
: Land Pattern

Unit: mm

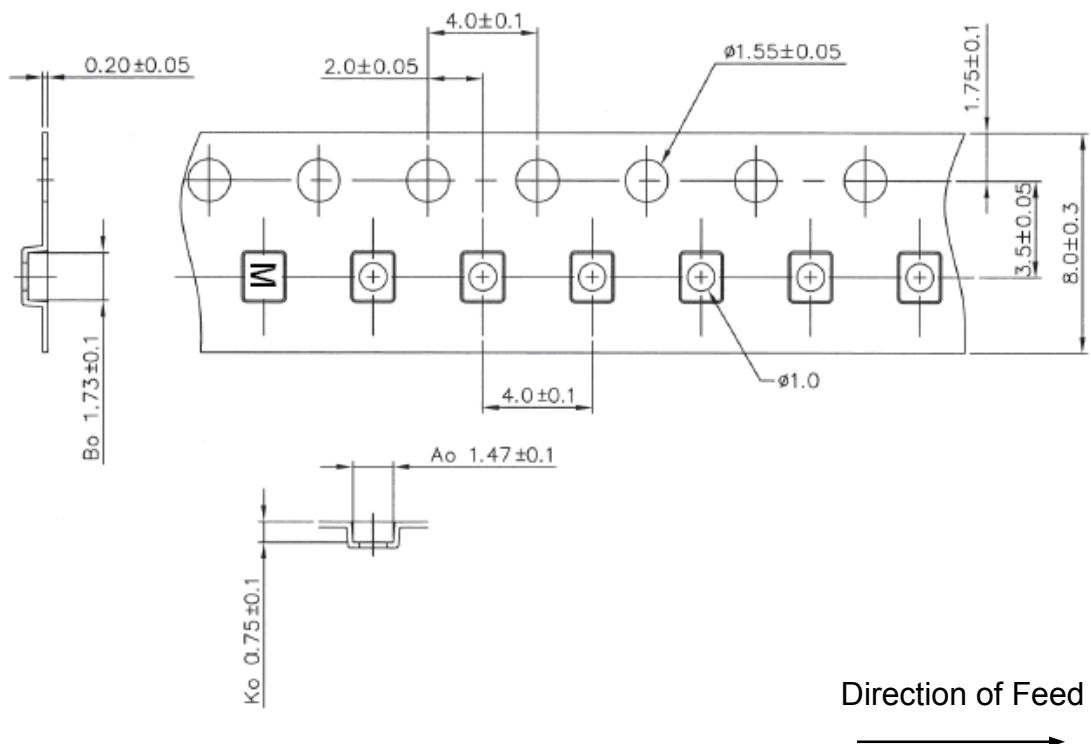
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. 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.

