



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: SAW Filter 921.5 MHz 7MHz BW SMD 3.0X3.0 mm

TST Part No.: TA1164A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Anne Chen 

Approved by: _____ Bob Chau 

Date: _____ 03, 03, 2015

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.



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SAW Filter 921.5 MHz 7MHz BW

MODEL NO.:TA1164A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: +10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

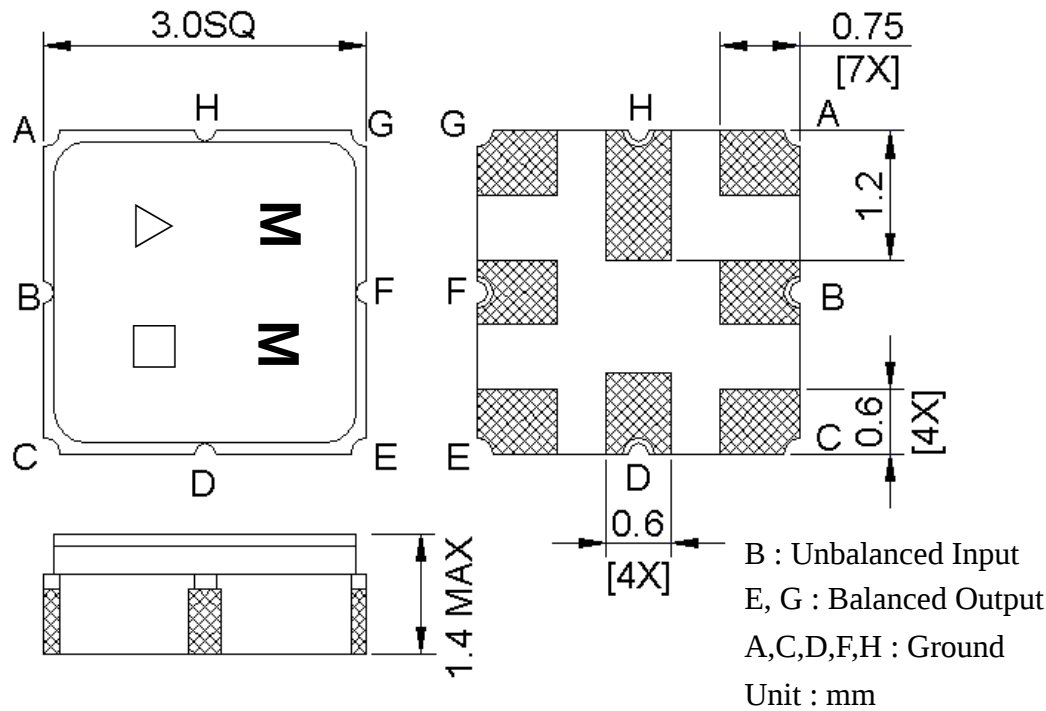
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	921.5	-	-
Insertion Loss (918~925 MHz) IL	dB	-	2.3	3.5	-
Amplitude Ripple (918~925 MHz)	dB	-	0.4	2	-
I/O VSWR (918~925 MHz)		-	1.5	2.5	-
Output amplitude balance (S₃₁/S₂₁l)	dB	-2.5	-0.5~1.8	2.5	-
Output phase balance (f(S₃₁)-f(S₂₁))+180°)	deg	-20	-8~-15	20	-
Attenuation (Reference level from 0 dB)					
10 ~ 800 MHz	dB	40	62	-	-
800 ~ 880 MHz	dB	30	42	-	-
880 ~ 900 MHz	dB	20	23	-	-
940 ~ 960 MHz	dB	10	31	-	-
960 ~ 1000 MHz	dB	20	32	-	-
1000 ~ 1100 MHz	dB	30	55	-	-
1100 ~ 2000 MHz	dB	40	65	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

C.OUTLINE DRAWING:



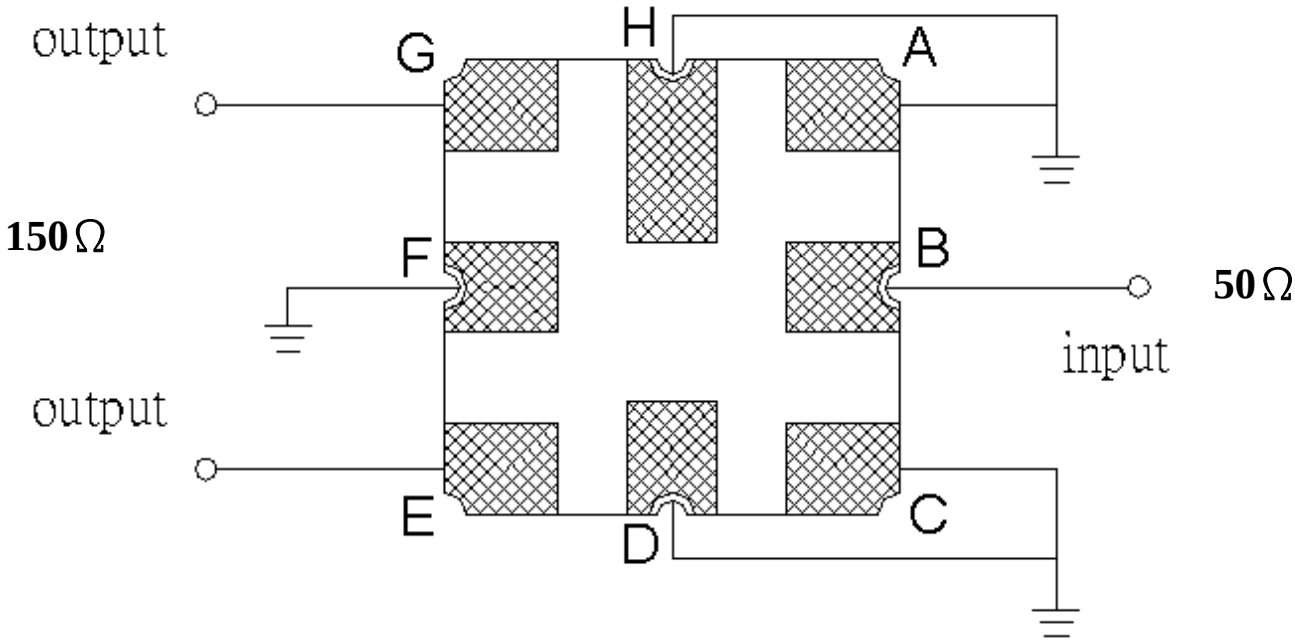
△ : Year Code (2011->1, 2012->2, ..., 2019->9, 2020->0)

□ : Date Code

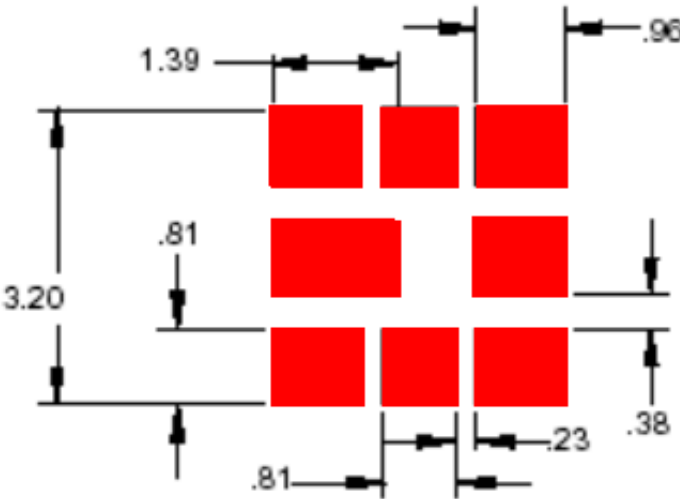
Date Code Table:

WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

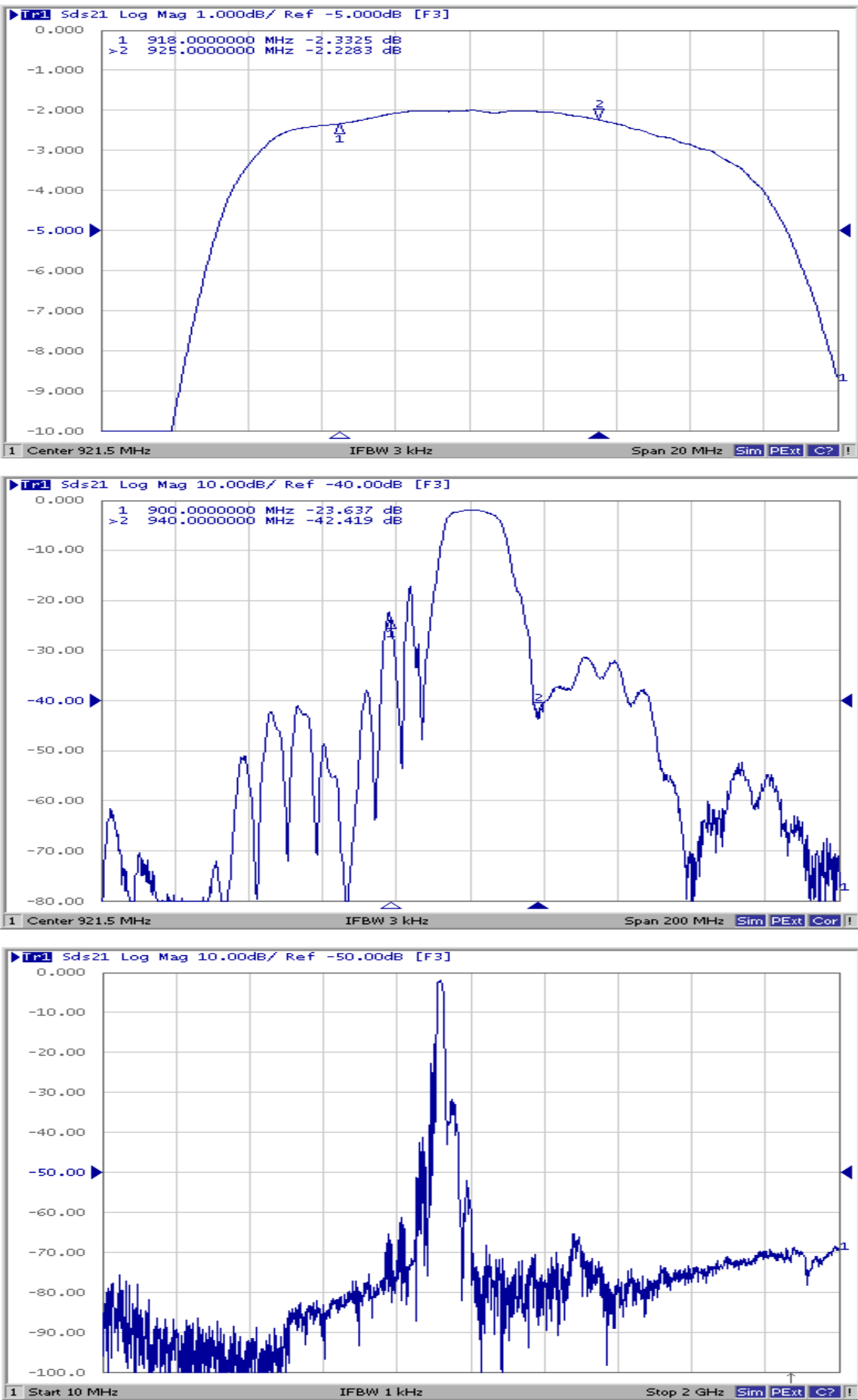
D. MEASUREMENT CIRCUIT:



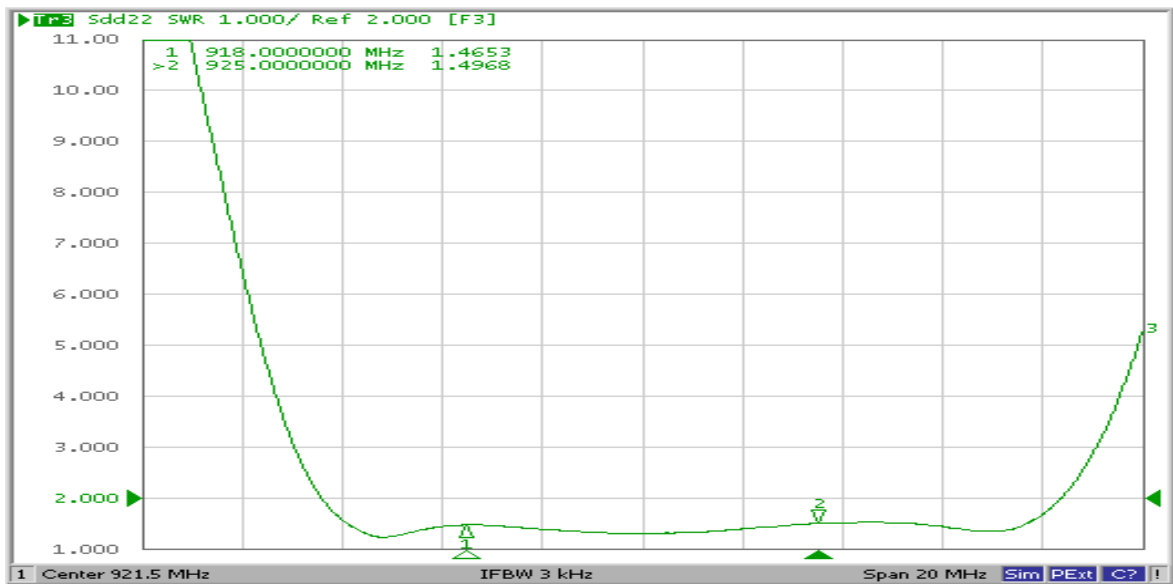
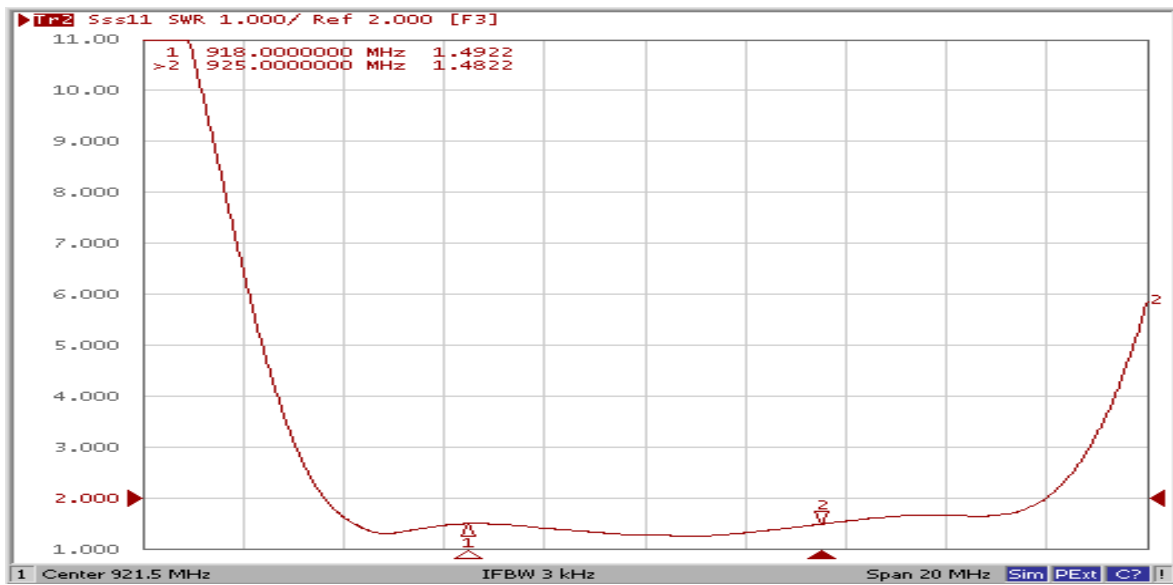
E. PCB Footprint:



F. Frequency Characteristics :



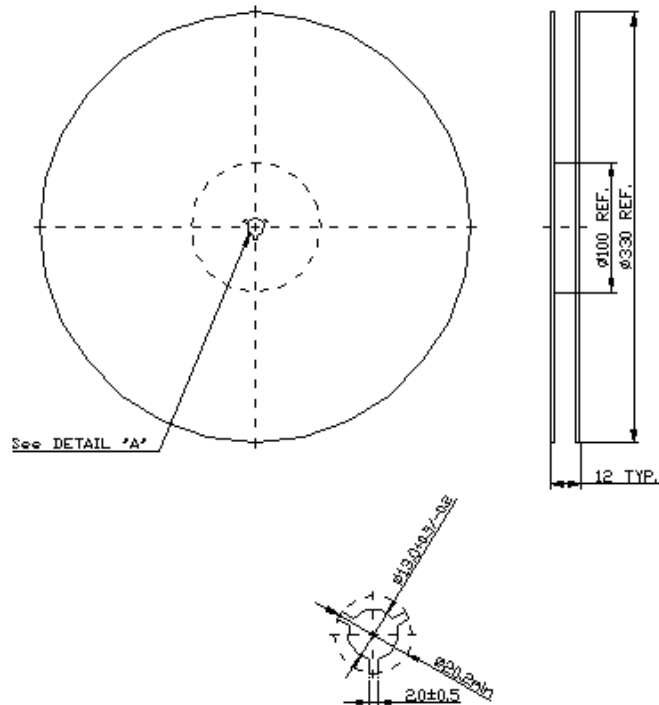
Reflection Functions :



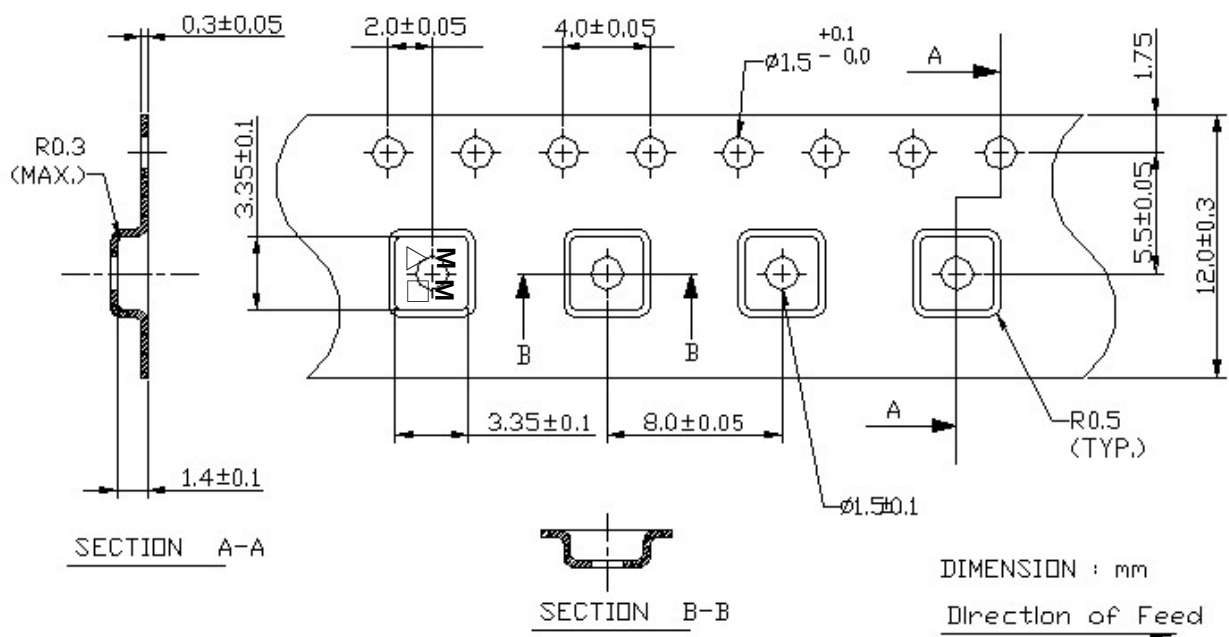
G. PACKING:

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 245~260°C peak (min. 10sec).
4. Time : 2 times.

