



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 806 MHz (BW 30MHz) SMD 1.1X0.9mm

TST Parts No.:TA2571A

Customer Parts No.:_____

Customer signature required
Company:_____
Division:_____
Approved by :_____
Date:_____

Checked by:_____ Michael Yang *Michael*

Approval 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.



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SAW Filter 806 MHz (BW 30MHz) SMD 1.1x0.9x0.5mm

MODEL NO.:TA2571A

REV. NO.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level : Level 3(MSL3)
6. ESD 100V(MM) 200V(HBM)



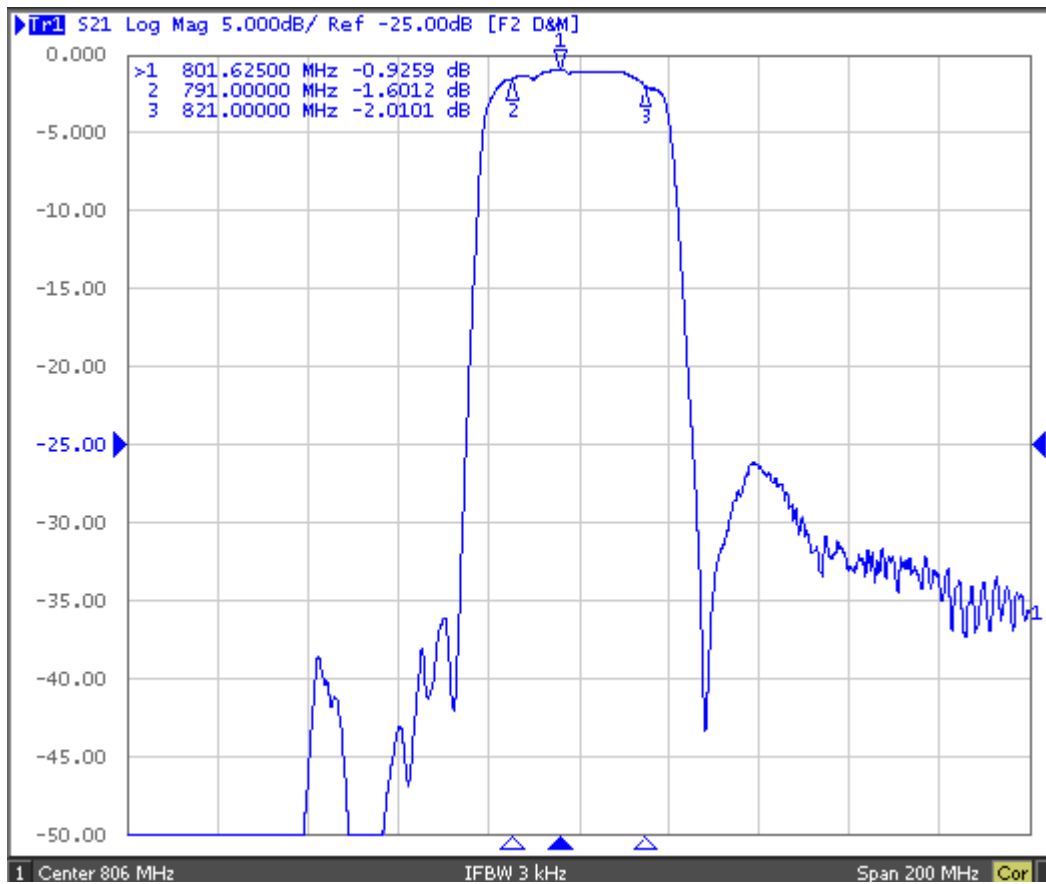
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

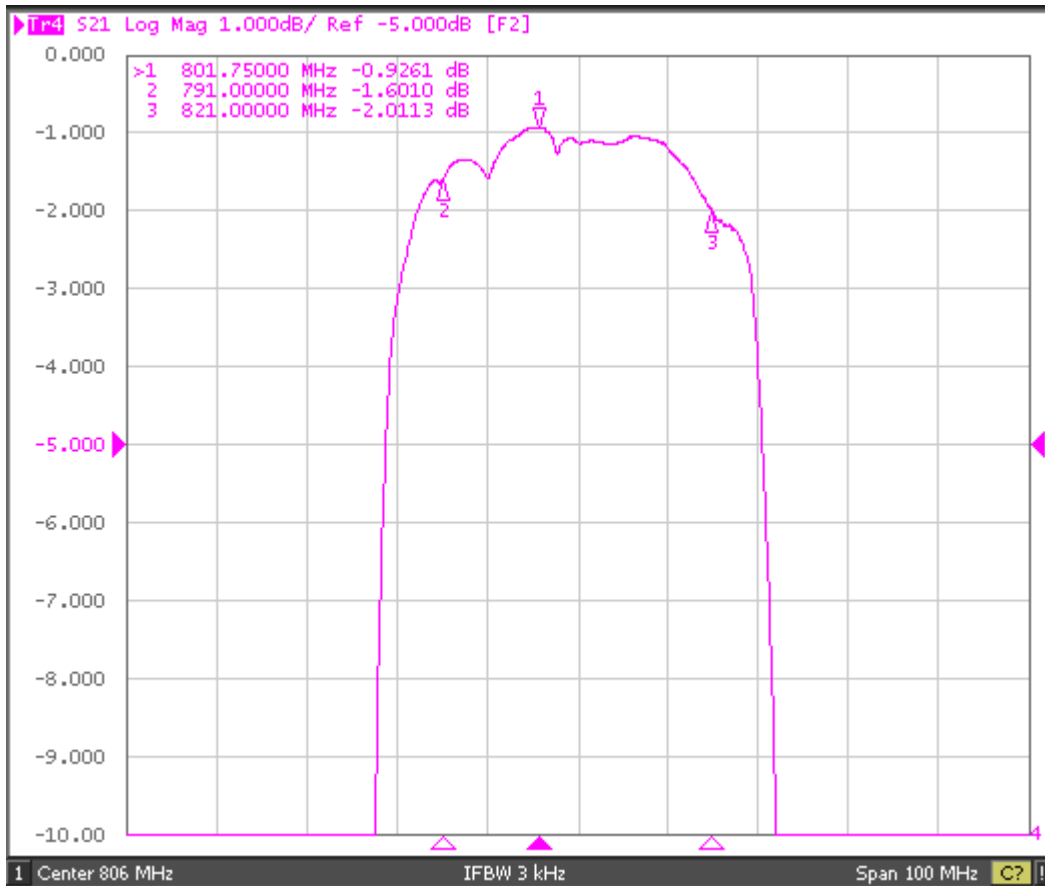
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	806	-	-
Insertion Loss (791~821 MHz) IL	dB	-	2.7	3.8	-
(791~821 MHz) IL	dB	-	2.1	2.5	23 to 27°C
VSWR (791~821 MHz)		-	2.2	2.4	-
Amplitude ripple (791~821 MHz) Attenuation	dB	-	1.4	2.6	-
832 ~ 862 MHz	dB	23	26	-	-
1559 ~ 1607 MHz	dB	37	42	-	-
1582 ~ 1642 MHz	dB	37	42	-	-
2373 ~ 2400 MHz	dB	31	36	-	-
2400 ~ 2500 MHz	dB	30	35	-	-
2500 ~ 3000 MHz	dB	30	35	-	-
Package size	mm	SMD 1.1x0.9			

C.FREQUENCY CHARACTERISTICS:

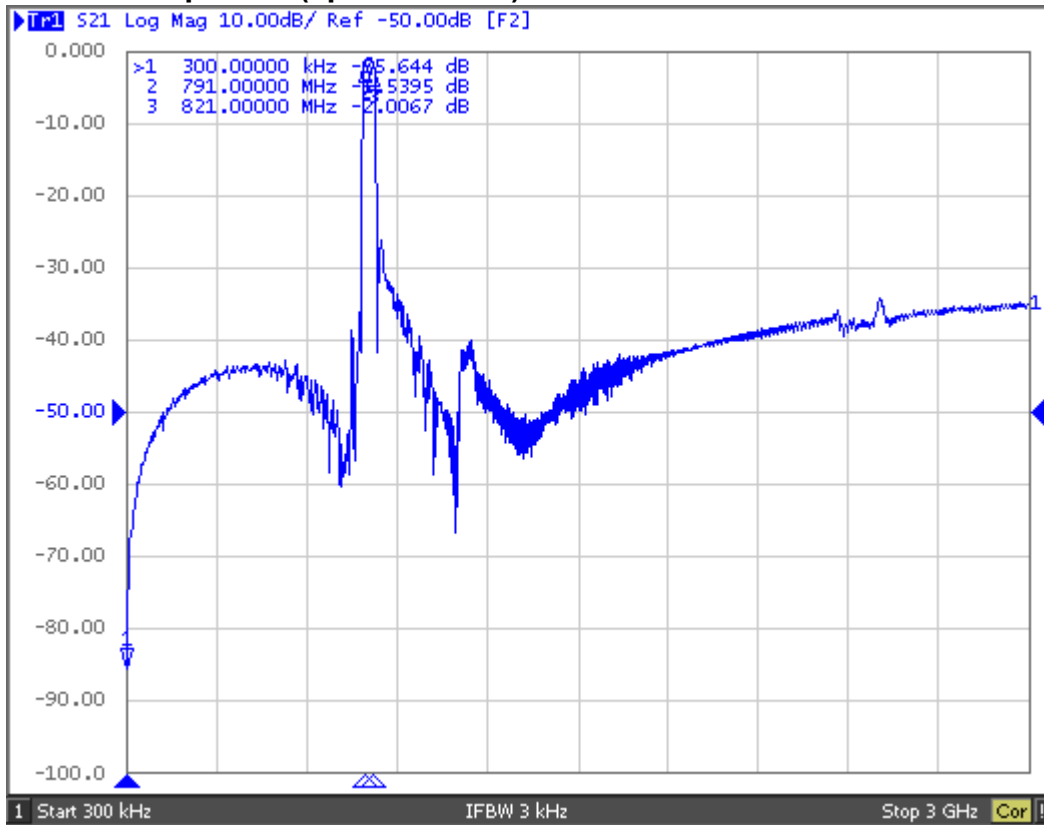
S21 response: (span 200MHz)



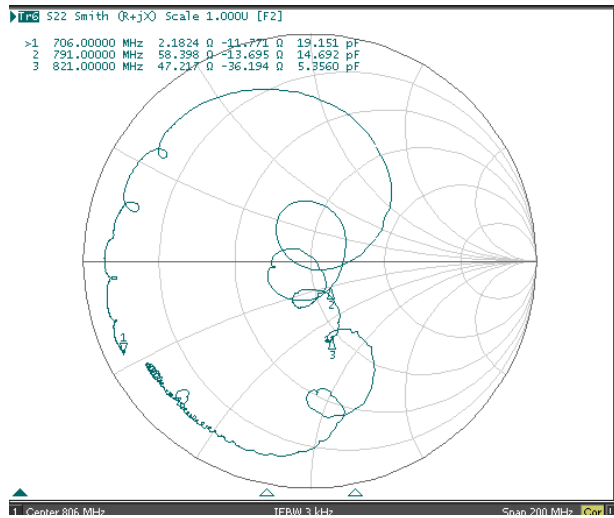
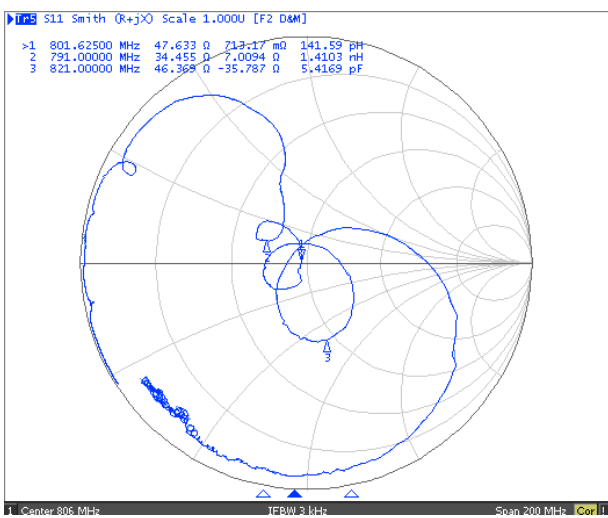
S21 response: (span 100MHz)



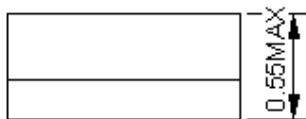
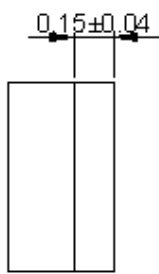
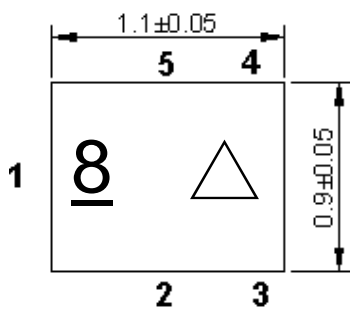
S21 response: (span 100MHz)



S11/S22 :



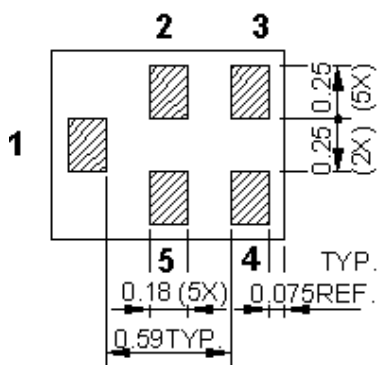
D. OUTLINE DRAWING:



All tolerances are +/-0.05 mm unless otherwise specified
Coplanarity : 0.1 mm max.

1 to 5 : Pin No.

Unit : mm



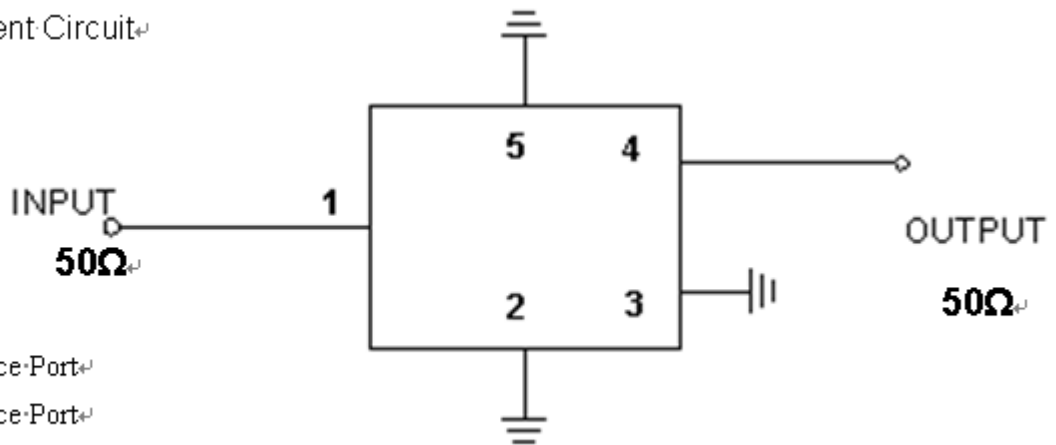
Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

Δ : 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:

Measurement Circuit

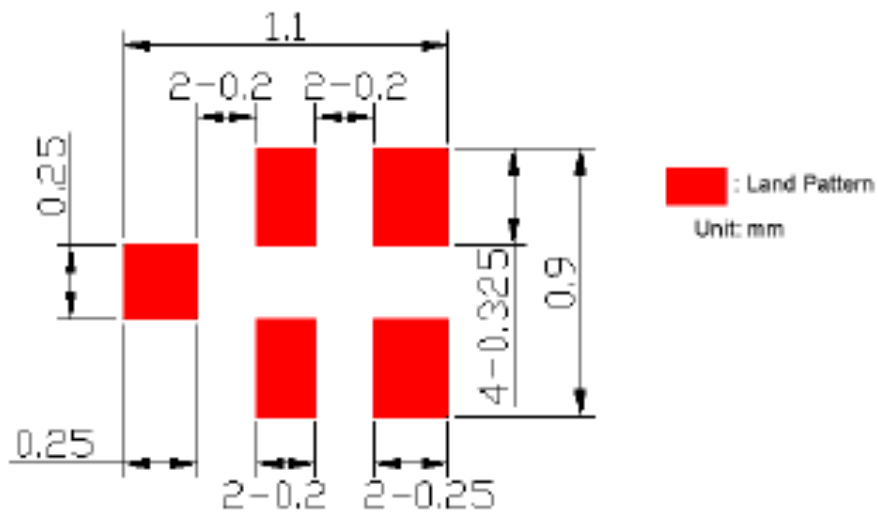


(1): Unbalance Port

(4): Unbalance Port

Others: Ground

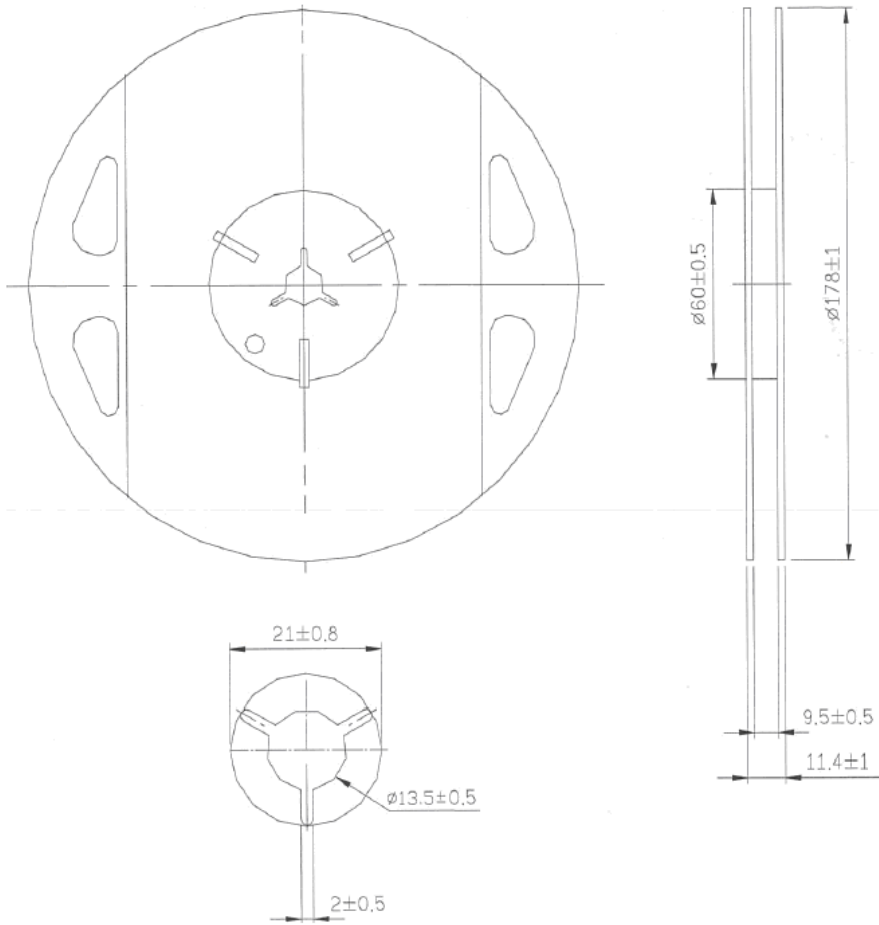
F. FOOT PRINT :



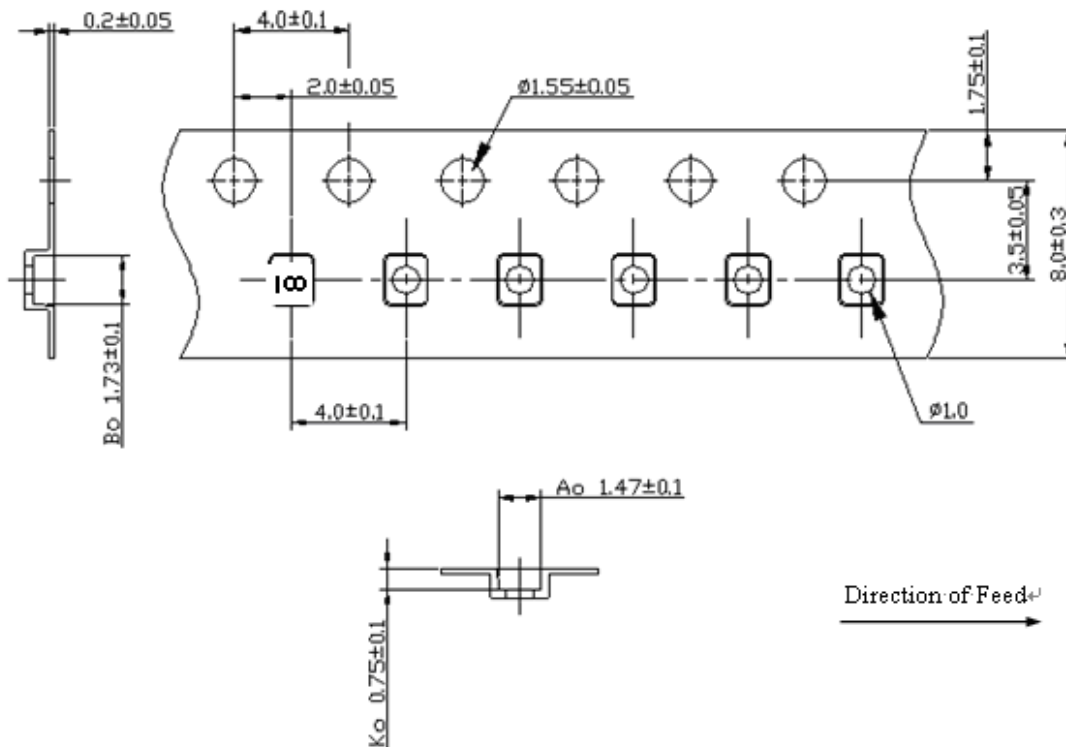
G. PACKING:

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.

