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 Name: SAW Filter 332 MHz (BW 24 MHz) SMD 3.8X3.8 mm

TST Parts No.: TA2489A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Sam Lin _____

Approval by:_____ Andy Yu _____

Date:_____ 2018/11/27 _____

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 332 MHz SMD 3.8x3.8 mm

MODEL NO.:TA2489A REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 20 dBm
2. DC Voltage : 3 V
3. Operating Temperature: -40℃ to +85℃
4. Storage Temperature: -40℃ to +85℃
5. Moisture Sensitivity Level: Level 1(MSL1)

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic **S**ensitive **D**evice (**ESD**)

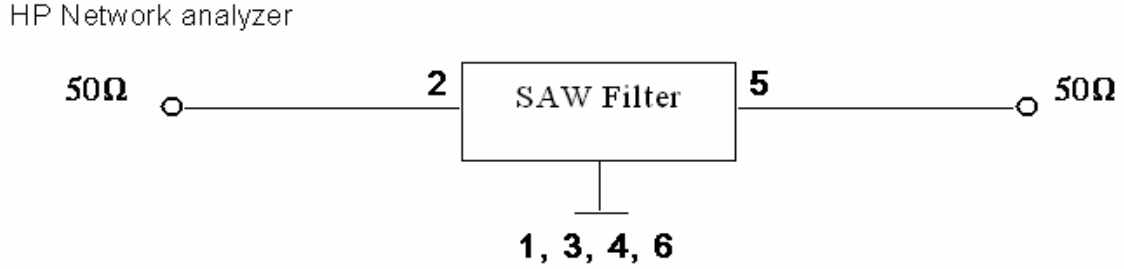
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single) : Z_S = 50 Ω

Terminating load impedance(single) : Z_L = 50 Ω

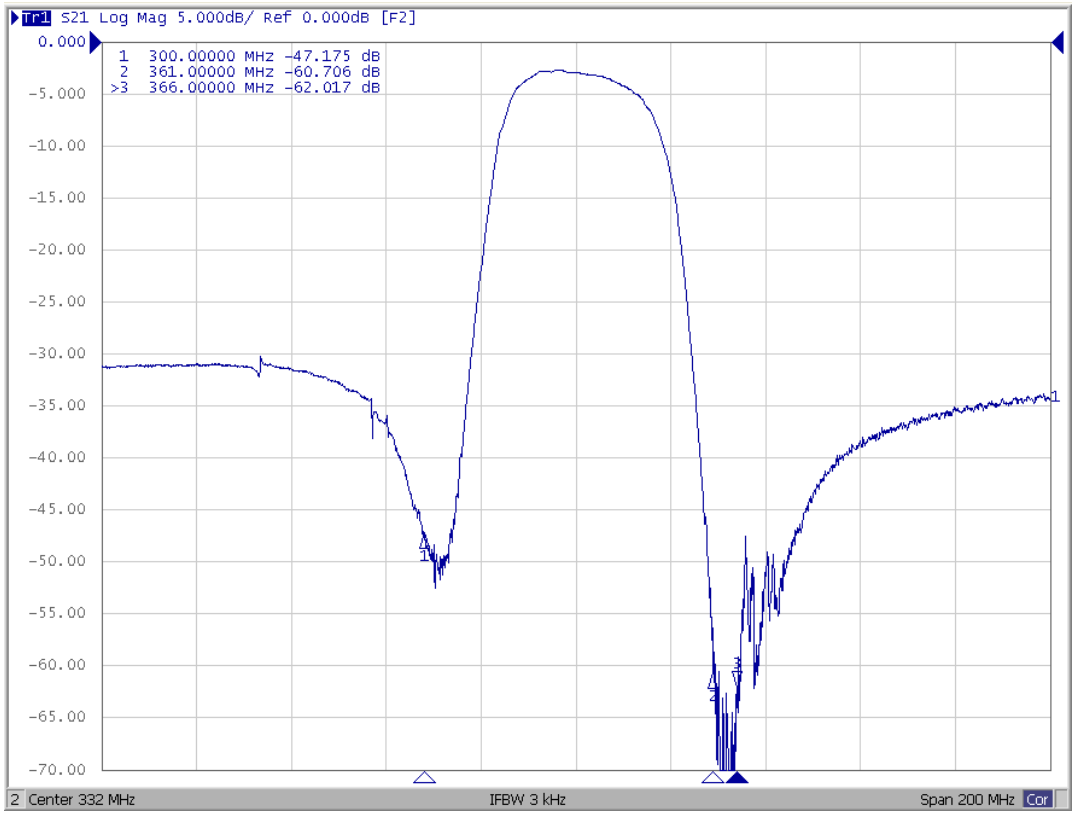
Item	Unit	Min	Type.	Max
Center frequency	MHz	-	332	-
Insertion Loss (320 ~ 344 MHz)	dB	-	4.3	5.5
Amplitude Ripple (320 ~ 344 MHz)	dB	-	2.0	2.5
Return Loss (320 ~ 344 MHz)	-	8	13.5	-
Attenuation (Reference level from 0 dB)				
10 ~ 222 MHz	dB	20	31	-
222 ~ 300 MHz	dB	20	31	-
361 ~ 366 MHz	dB	20	60	-
366 ~ 460 MHz	dB	20	43	-
460 ~ 1000 MHz	dB	28	31	-
1000 ~ 1500 MHz	dB	20	36	-
1500 ~ 2600 MHz	dB	5	9	-
Temperature Coefficient of Frequency	ppm/°C	-	-75	-

C. TEST CIRCUIT:

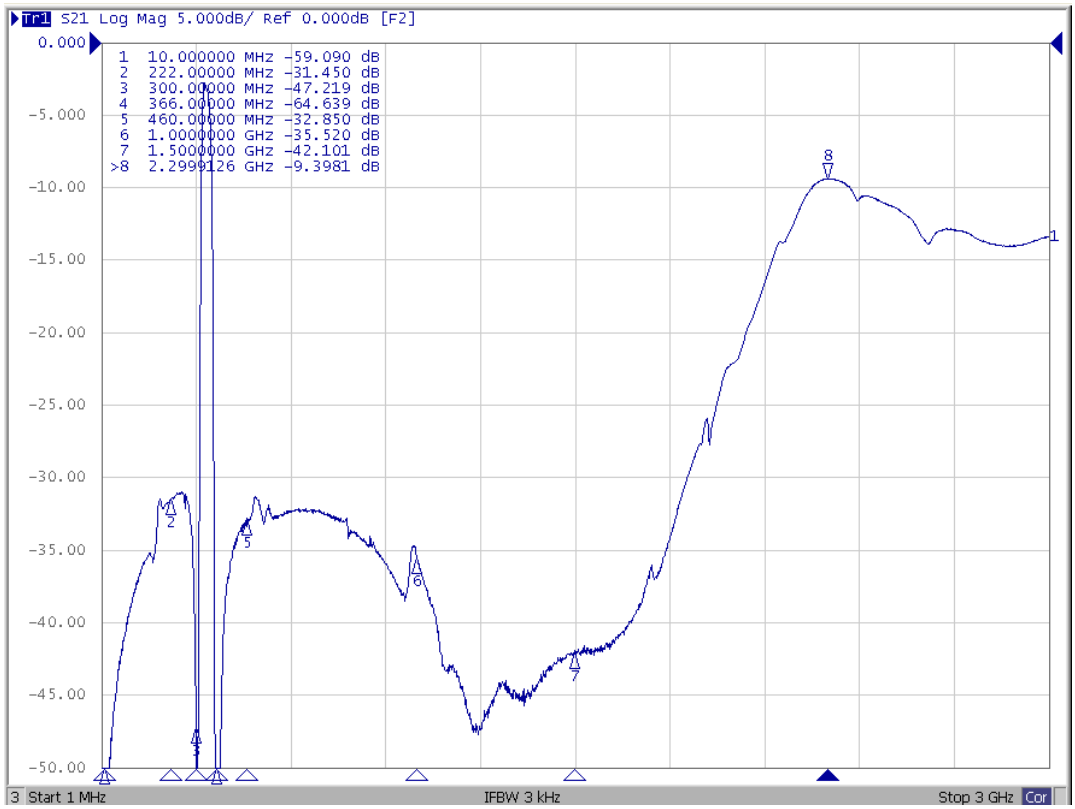


D. Frequency Characteristics:

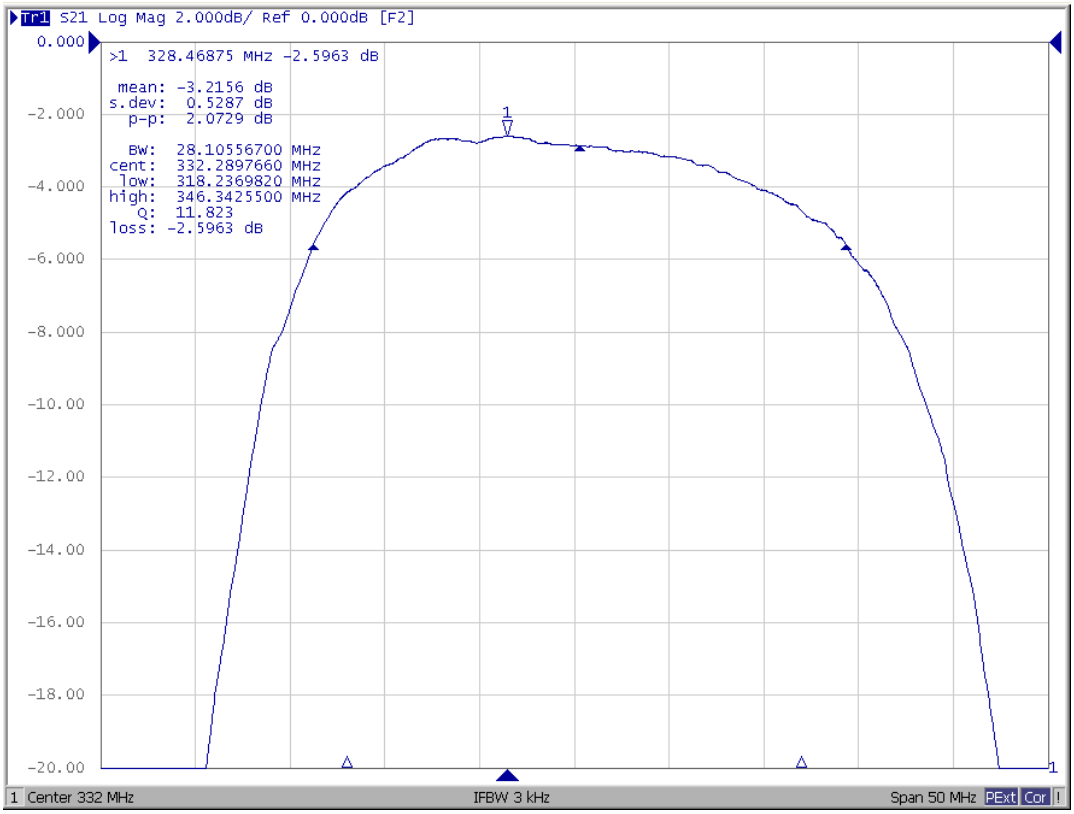
Span 200 MHz



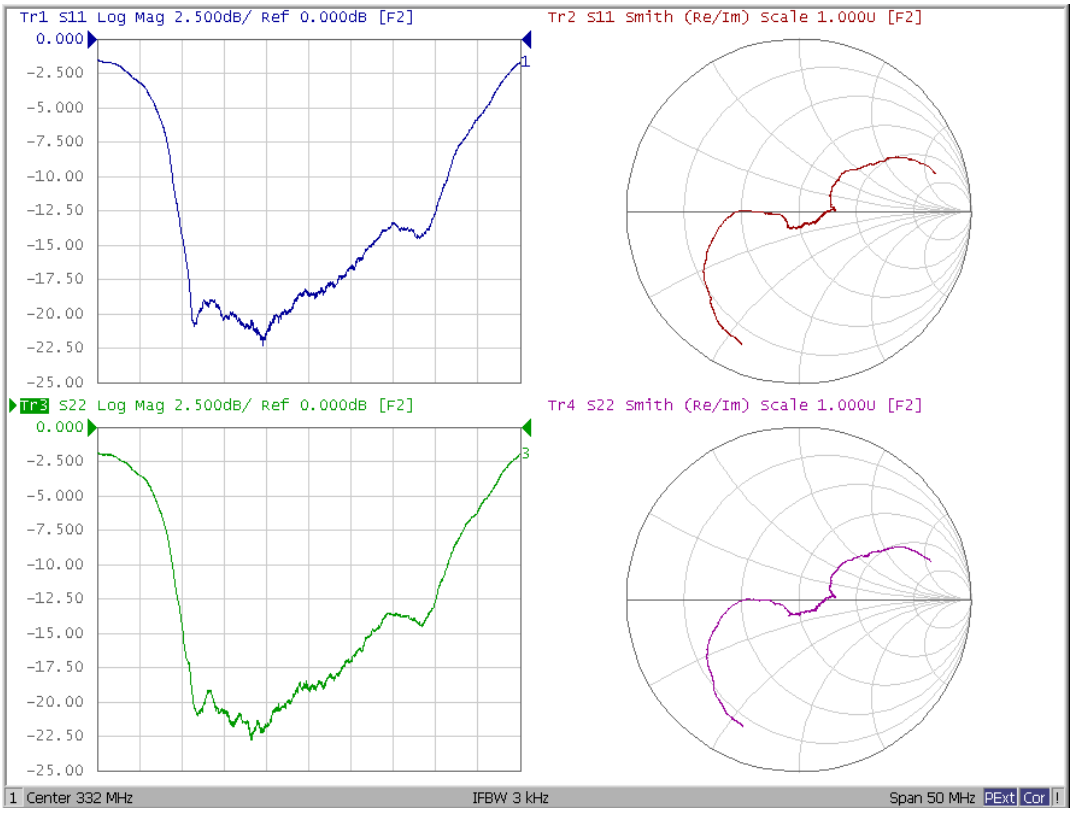
Span 3000 MHz



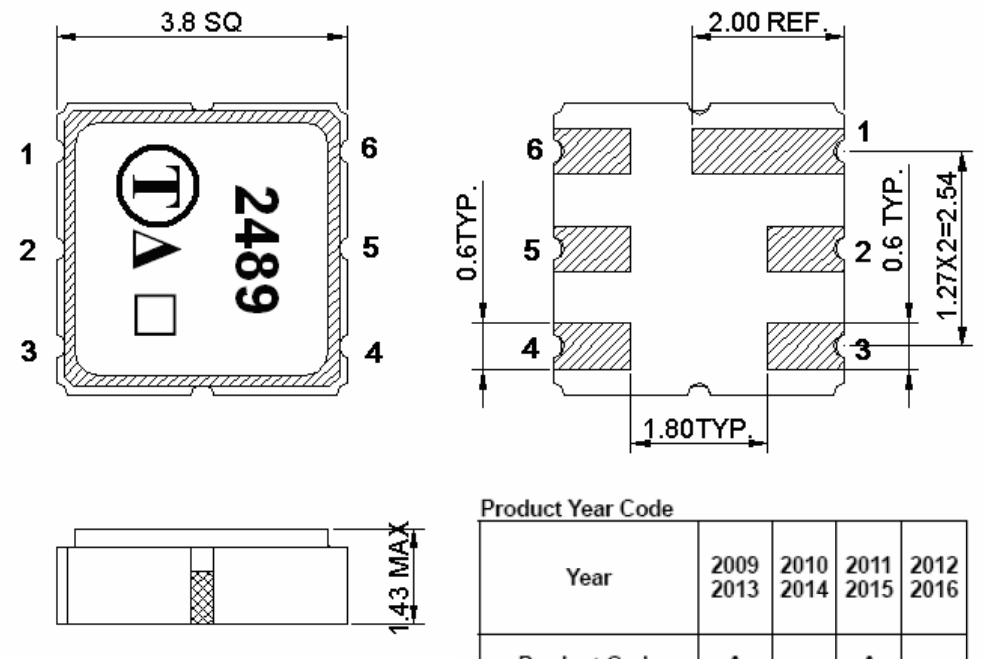
Span 50 MHz



Reflection function



E.OUTLINE DRAWING:



Product Year Code

Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	A	a	A	a

Unit: mm

△: Year Code

□: Date Code

Input: 2

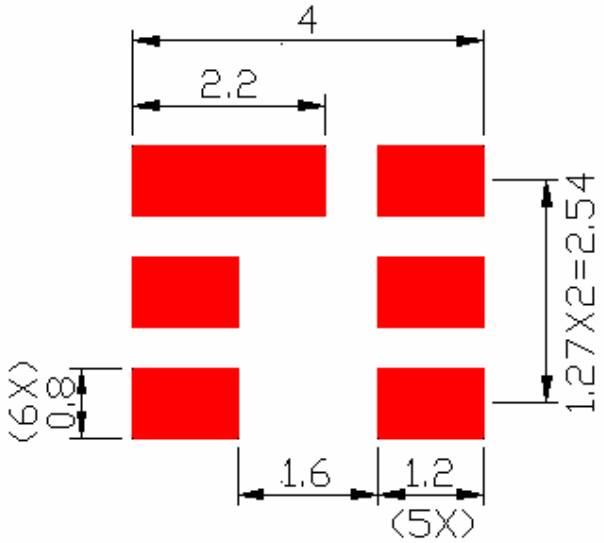
Output: 5

Ground: 1, 3, 4, 6

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

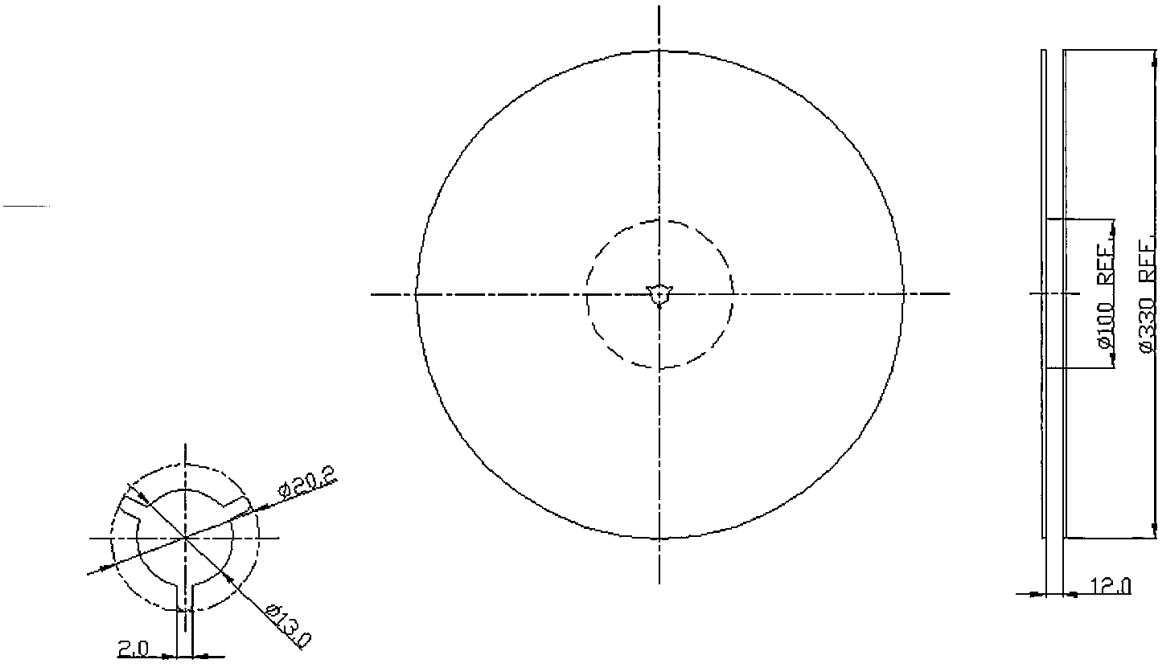
F. PCB FOOTPRINT:



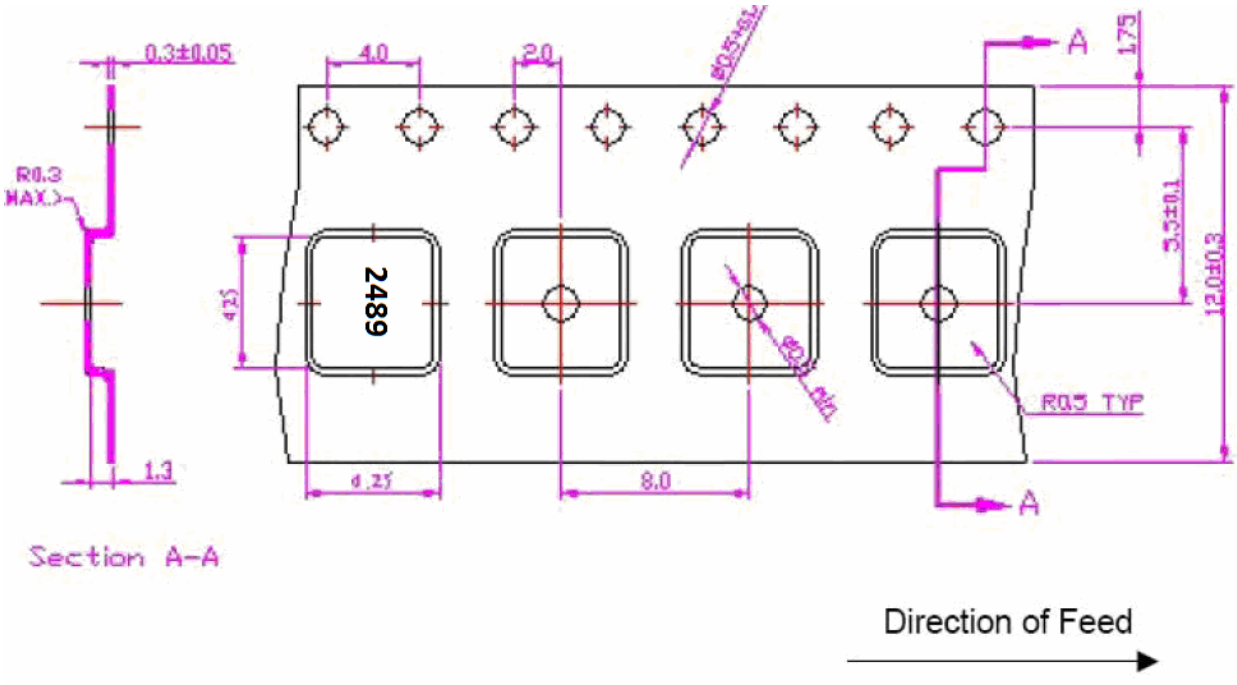
G. PACKING:

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℃ 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.

