

# SAW Filter 433 MHz

MODEL NO.: TA0286A

REV. NO.:4

## A. MAXIMUM RATING:

1. Input Power Level: 15 dB<sub>m</sub>
2. DC voltage: 10 V
3. Operating Temperature: -10°C to +50°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL 1)
6. ESD 100V(MM) 200V(HBM)

RoHS Compliant  
Lead free  
Lead-free soldering

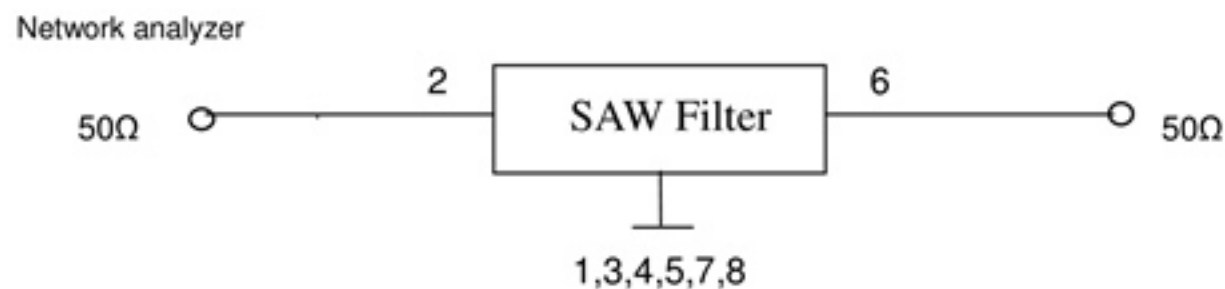
Electrostatic Sensitive Device (ESD)

## B. ELECTRICAL CHARACTERISTICS:

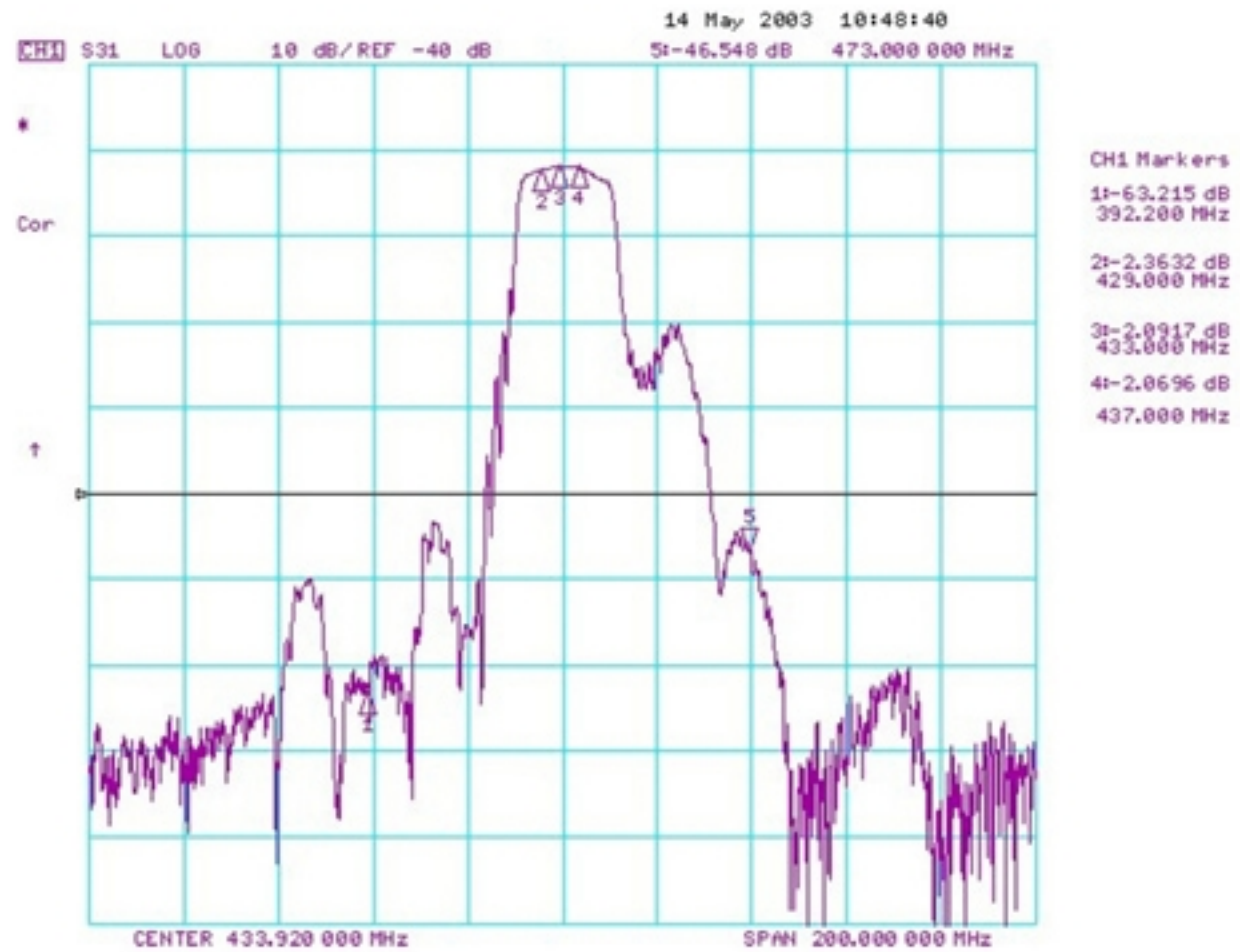
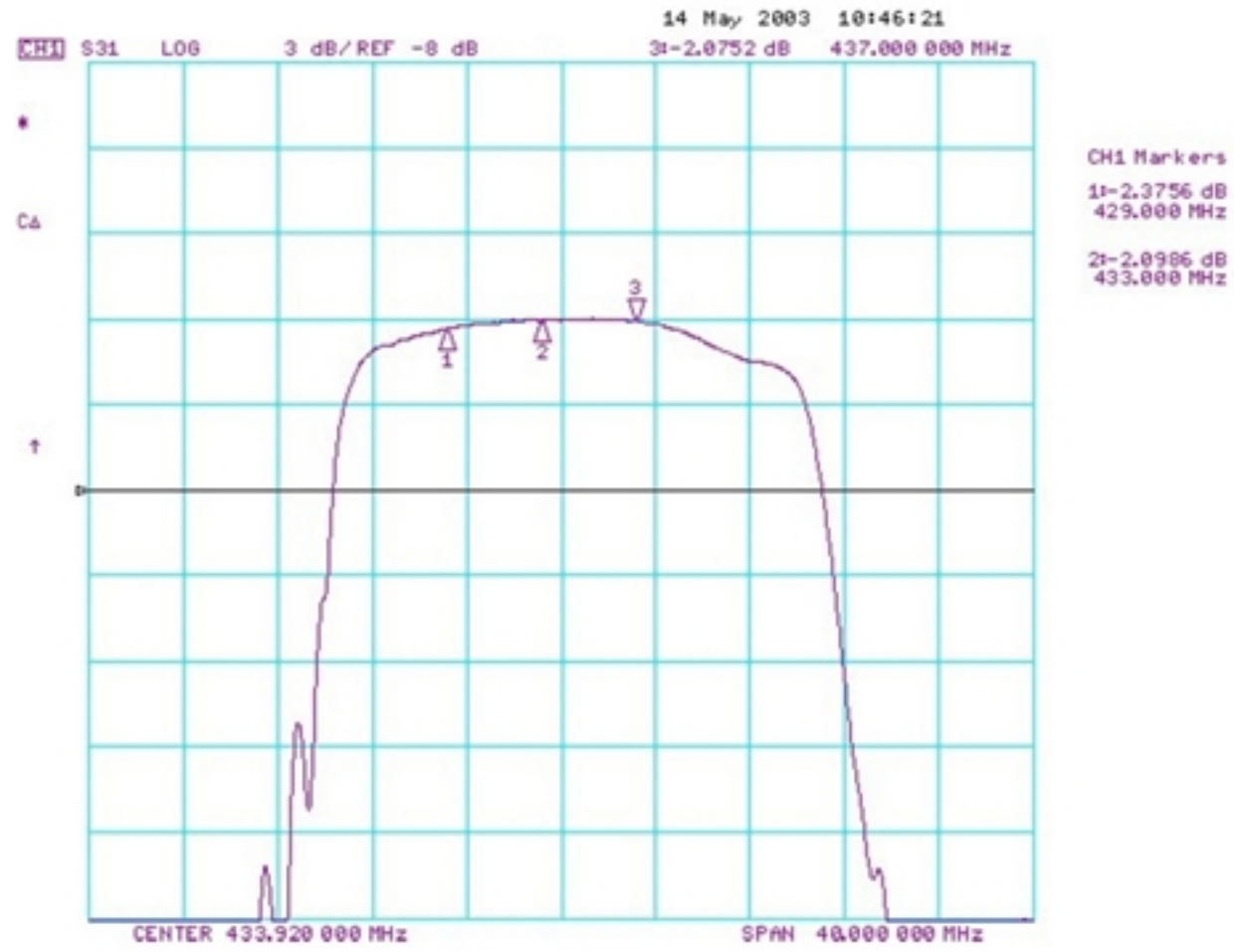
Item		Min.	Typical	Max.
Center frequency	F <sub>c</sub> (dB)	-	433	-
Insertion loss (F <sub>c</sub> 4 MHz)	IL (dB)	-	2.7	3.5
Amplitude ripple (F <sub>c</sub> 4 MHz)	(dB)	-	0.7	2.5
Attenuation (Reference level from 0 dB)				
F <sub>c</sub> - 100 ~ F <sub>c</sub> - 40.8 MHz	(dB)	42	50	-
F <sub>c</sub> + 40 ~ F <sub>c</sub> + 100 MHz	(dB)	40	46	-
Source impedance	Z <sub>s</sub> (Ω)	-	50Ω//0pF	-
Load impedance	Z <sub>L</sub> (Ω)	-	50Ω//0pF	-

Note1. The standard definitions is in JIS C 6703

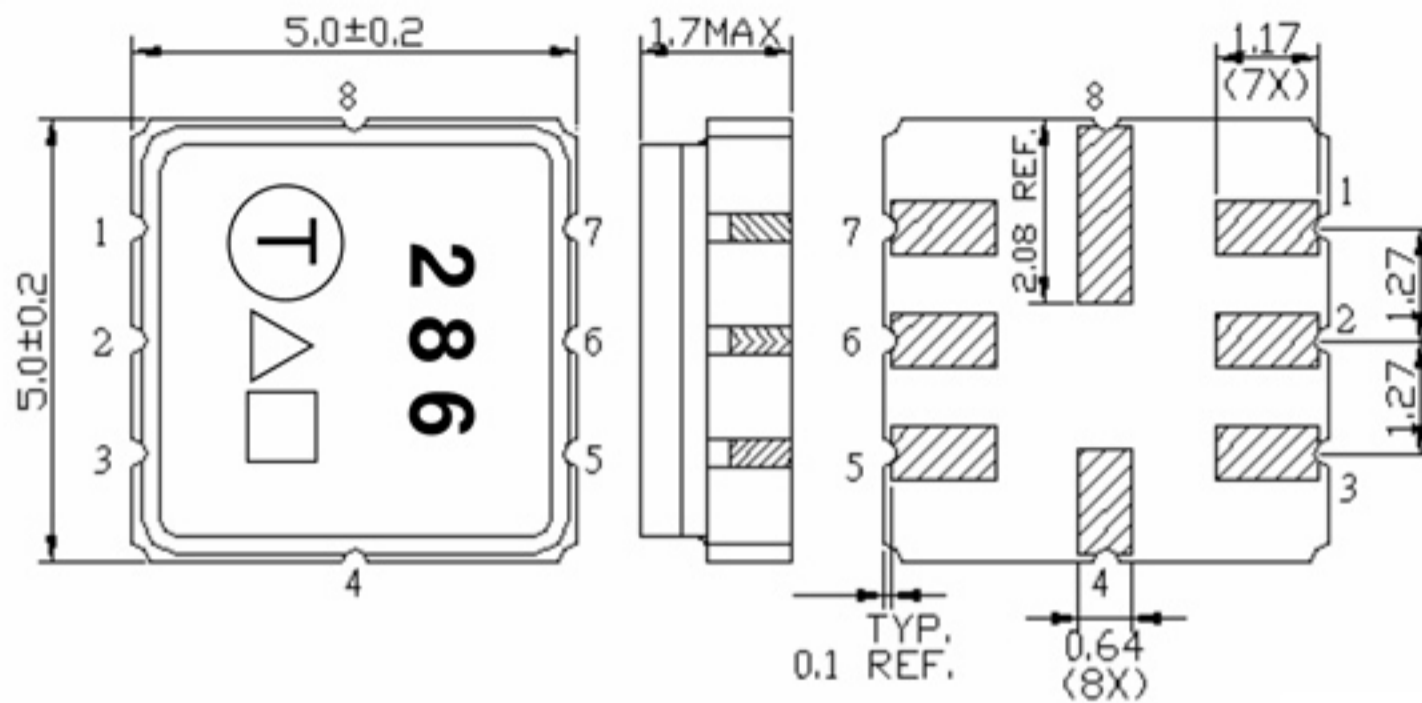
## C. MEASUREMENT CIRCUIT:



## D. FREQUENCY CHARACTERISTICS:



**E.OUTLINE DRAWING:**



Marking name :286

△ : year code

□: Week Code. 01 for W01, 02 for W02 , .....,52 for WK52.

**#2 : Input**

**#6 : Output**

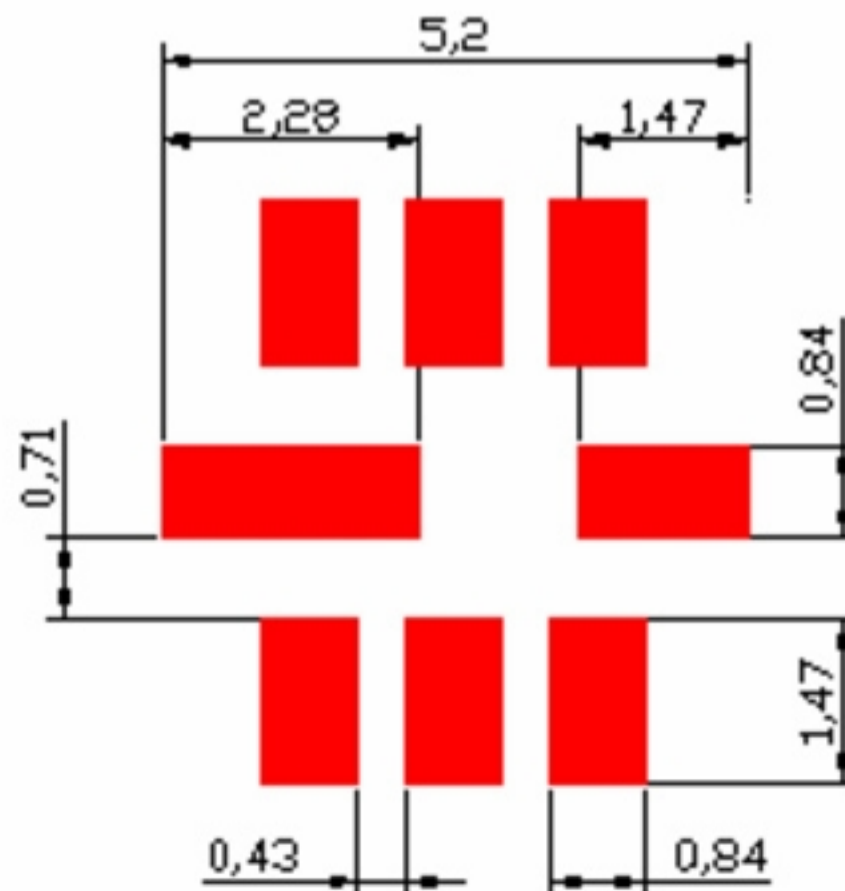
**1, 3, 4, 5, 7, 8: Ground**

**Unit: mm**

**Product Year Code**

Year	2017	2018	2019	2020
	2021	2022	2023	2024
Product Code	A	a	<u>A</u>	<u>a</u>

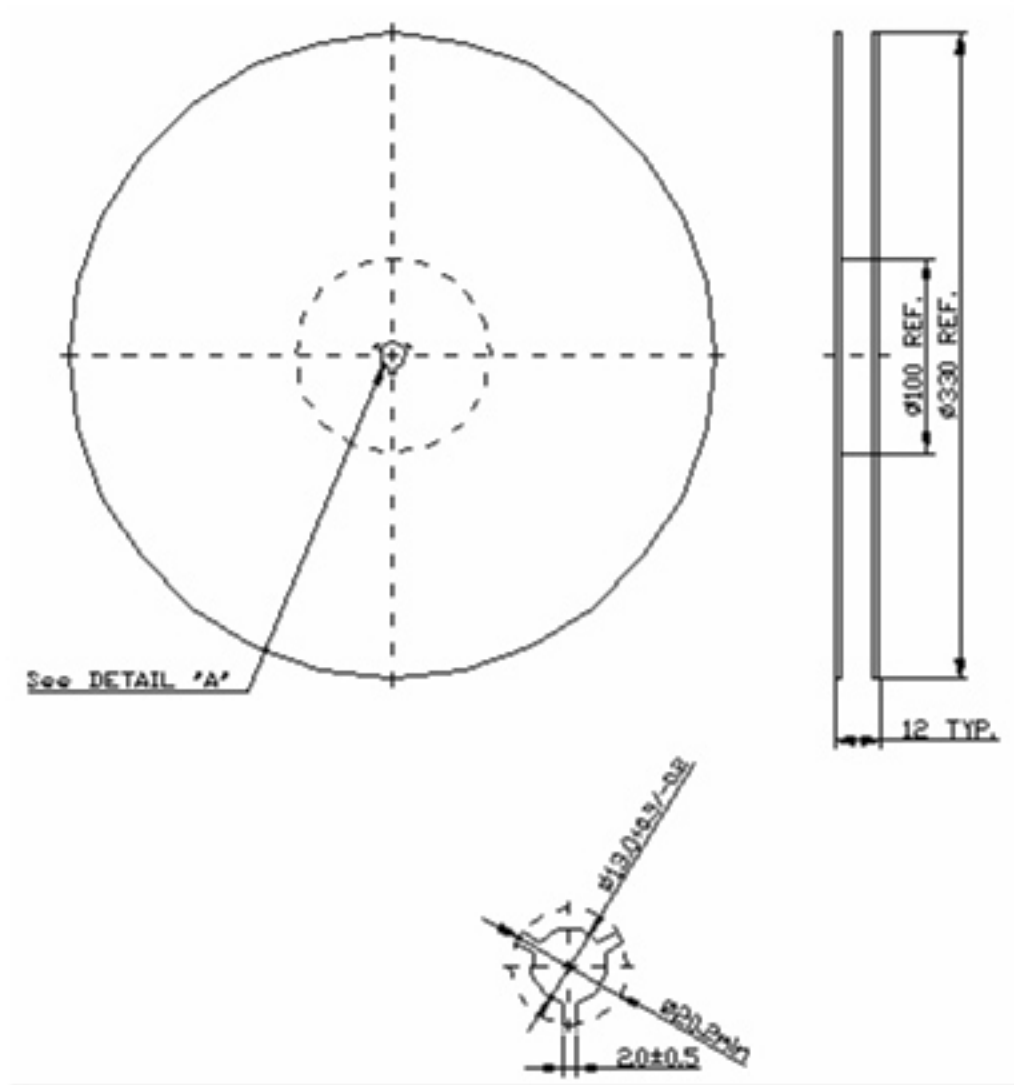
**F.PCB FOOTPRINT:**



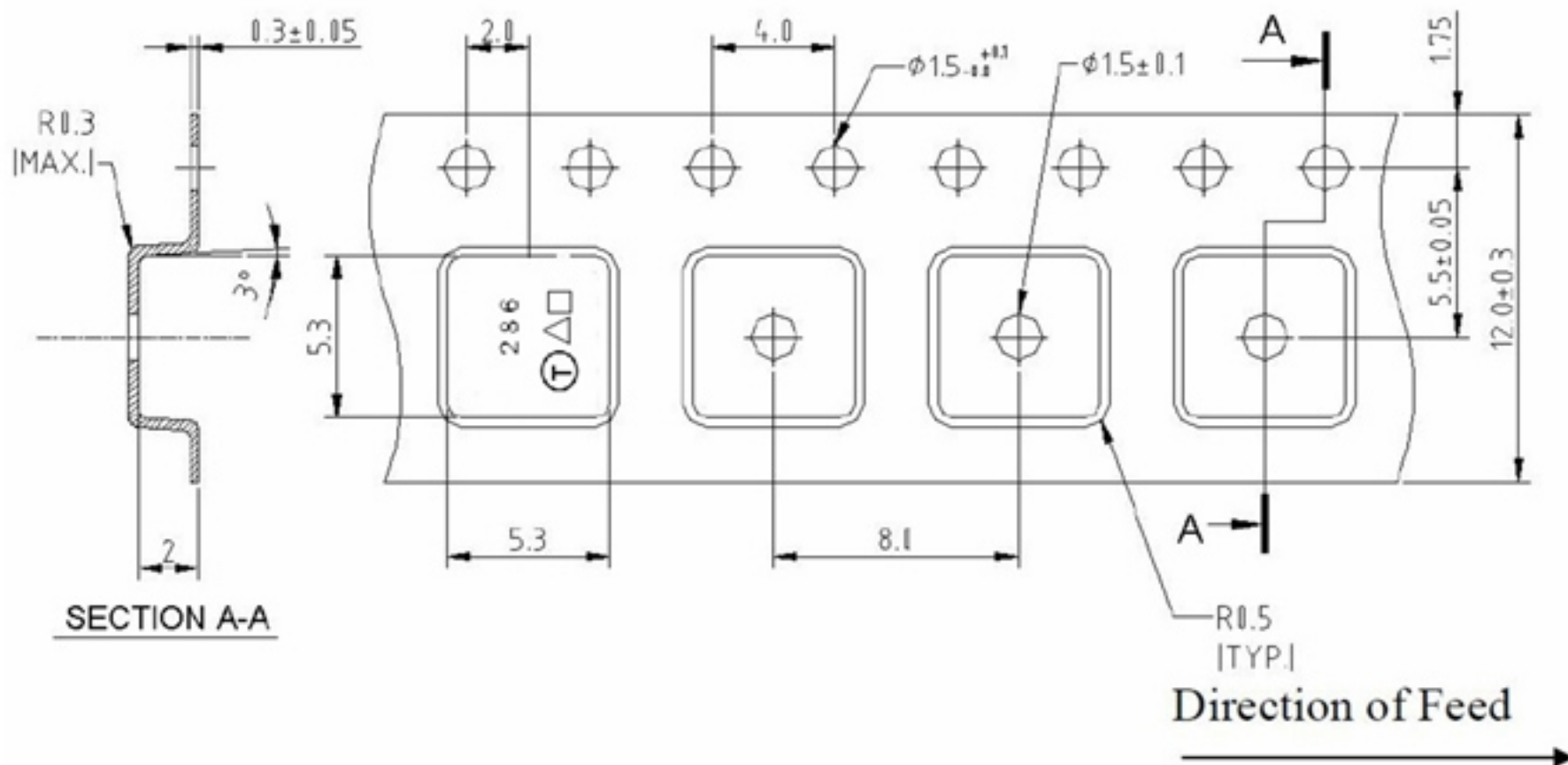
## G. PACKING:

### 1. REEL DIMENSION

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



### 2. TAPE DIMENSION



## H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at  $150\sim 180^{\circ}\text{C}$  for 60~90 seconds.
2. Ascending time to preheating temperature  $150^{\circ}\text{C}$  shall be 30 seconds min.
3. Heating shall be fixed at  $220^{\circ}\text{C}$  for 50~80 seconds and at  $260^{\circ}\text{C} +0/-5^{\circ}\text{C}$  peak (20~40sec).
4. Time: 2 times.

