

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 °C to +85 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level 1(MSL1)

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

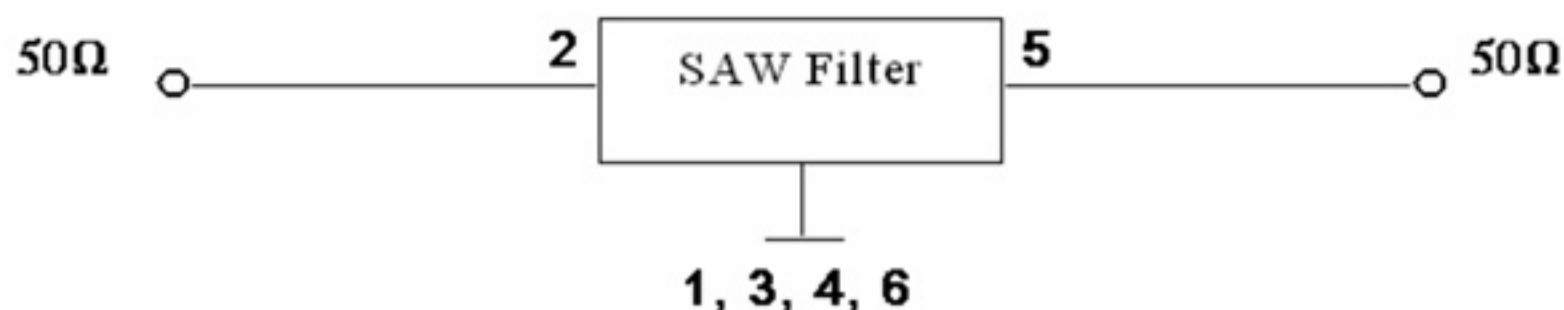
Terminating source impedance (single) : $Z_s = 50 \Omega$

Terminating load impedance(single) : $Z_L = 50 \Omega$

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	-

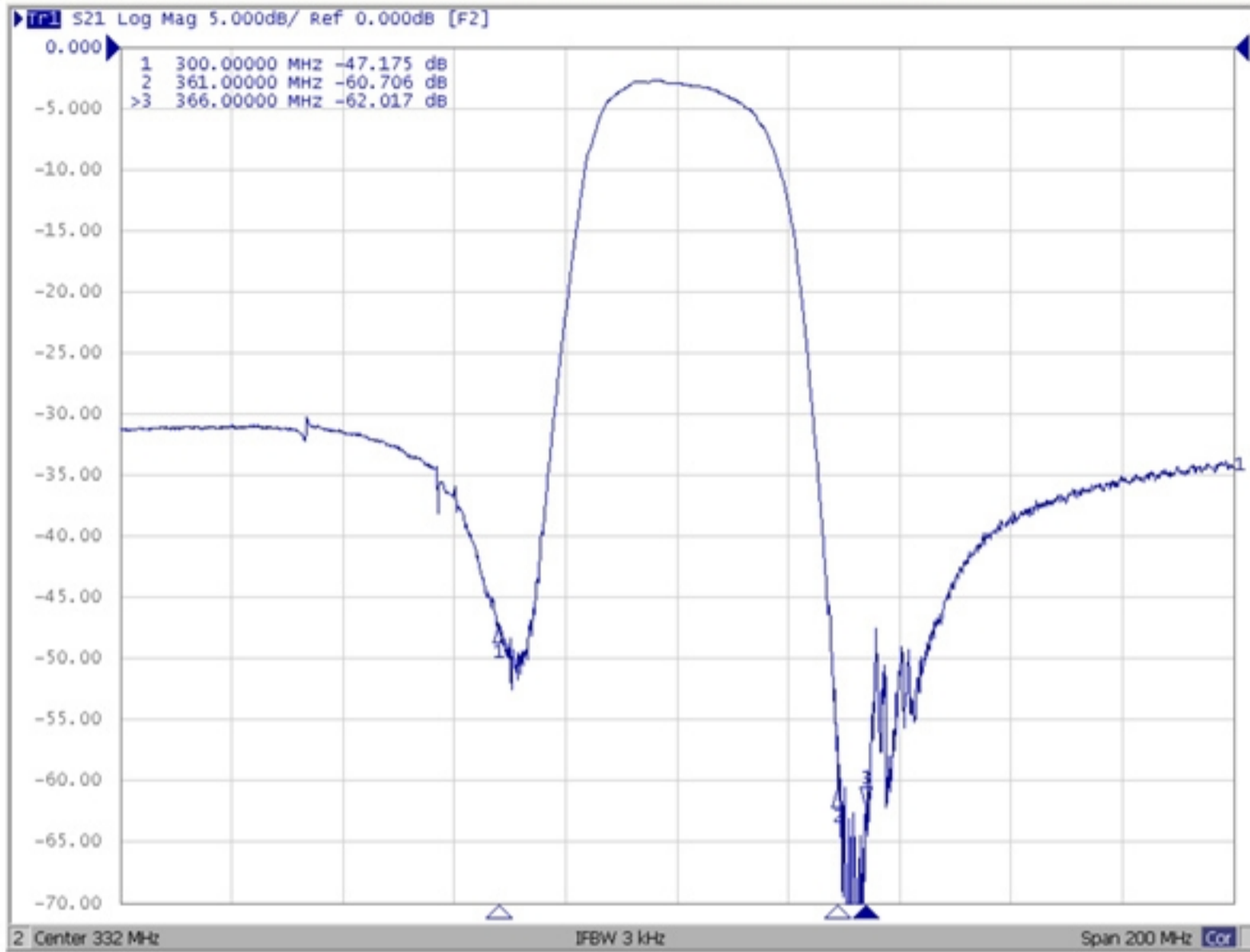
C. TEST CIRCUIT:

HP Network analyzer

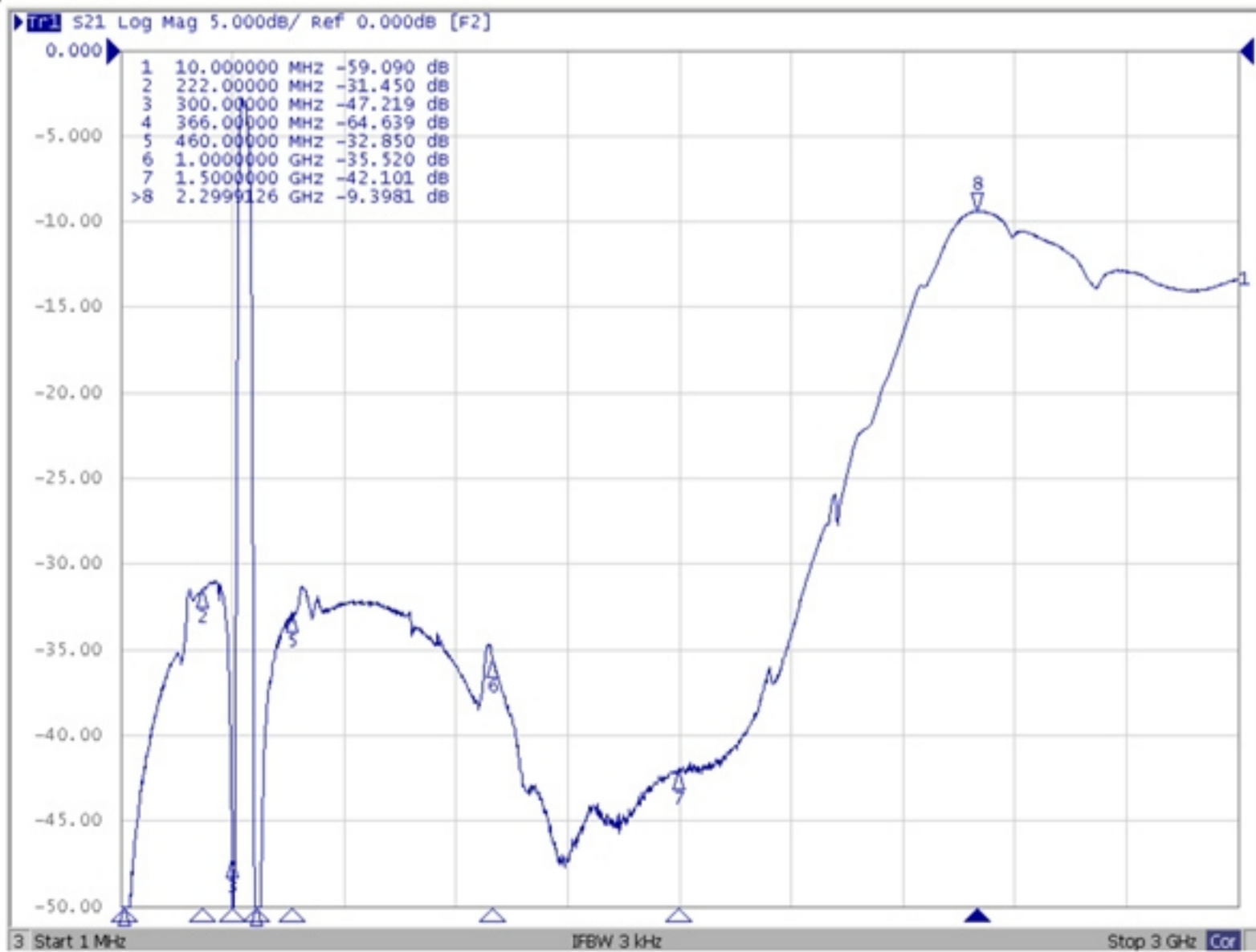


D. Frequency Characteristics:

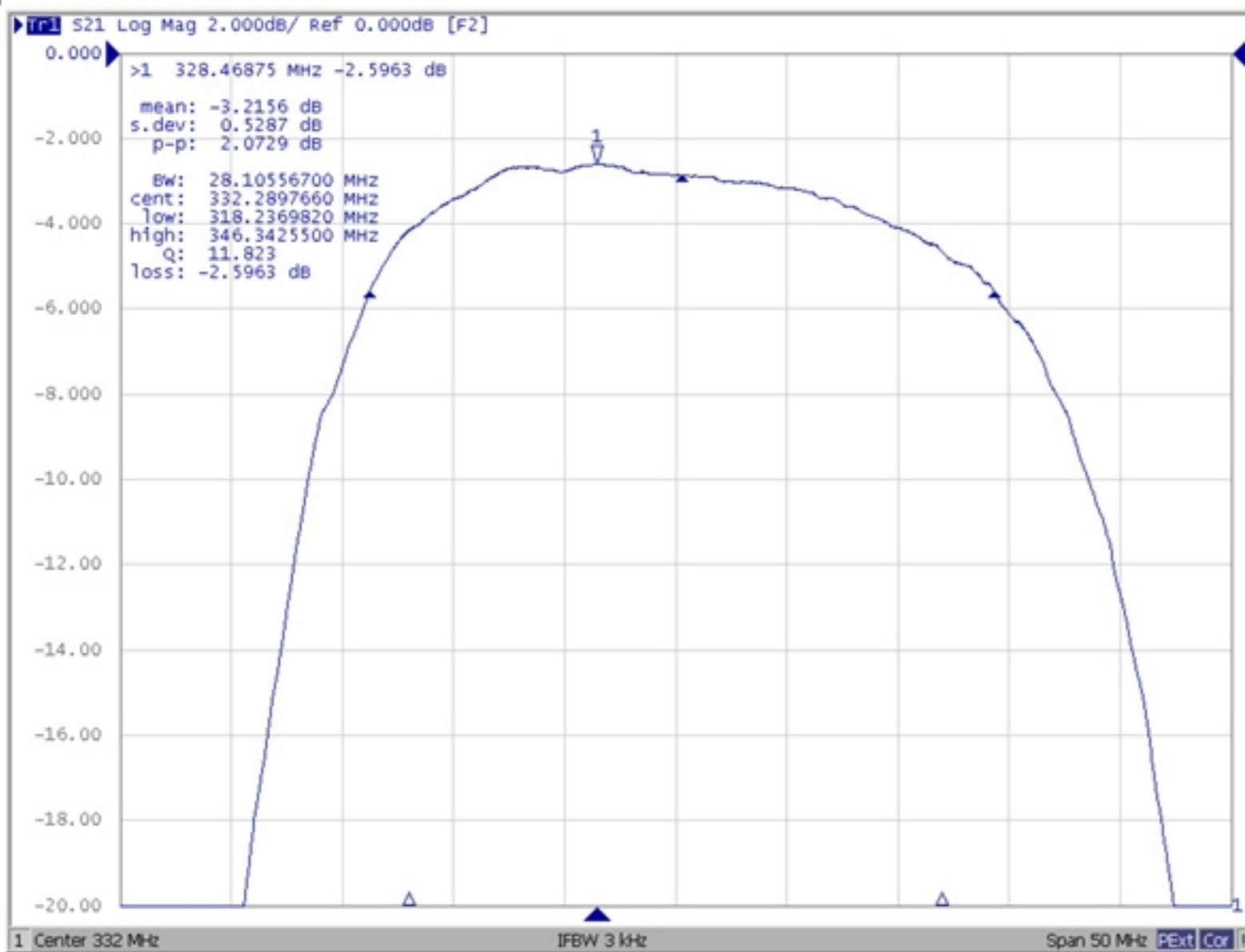
Span 200 MHz



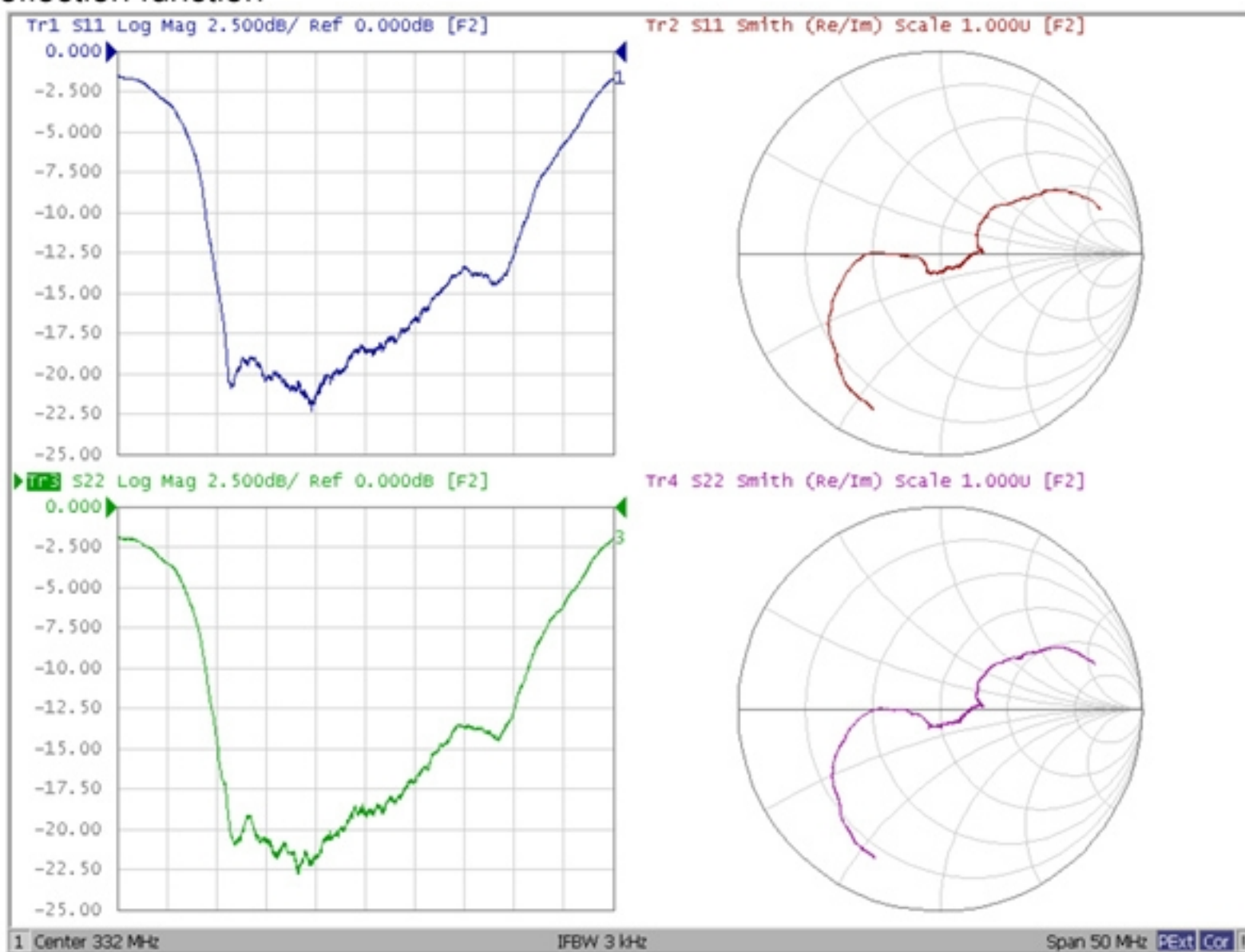
Span 3000 MHz



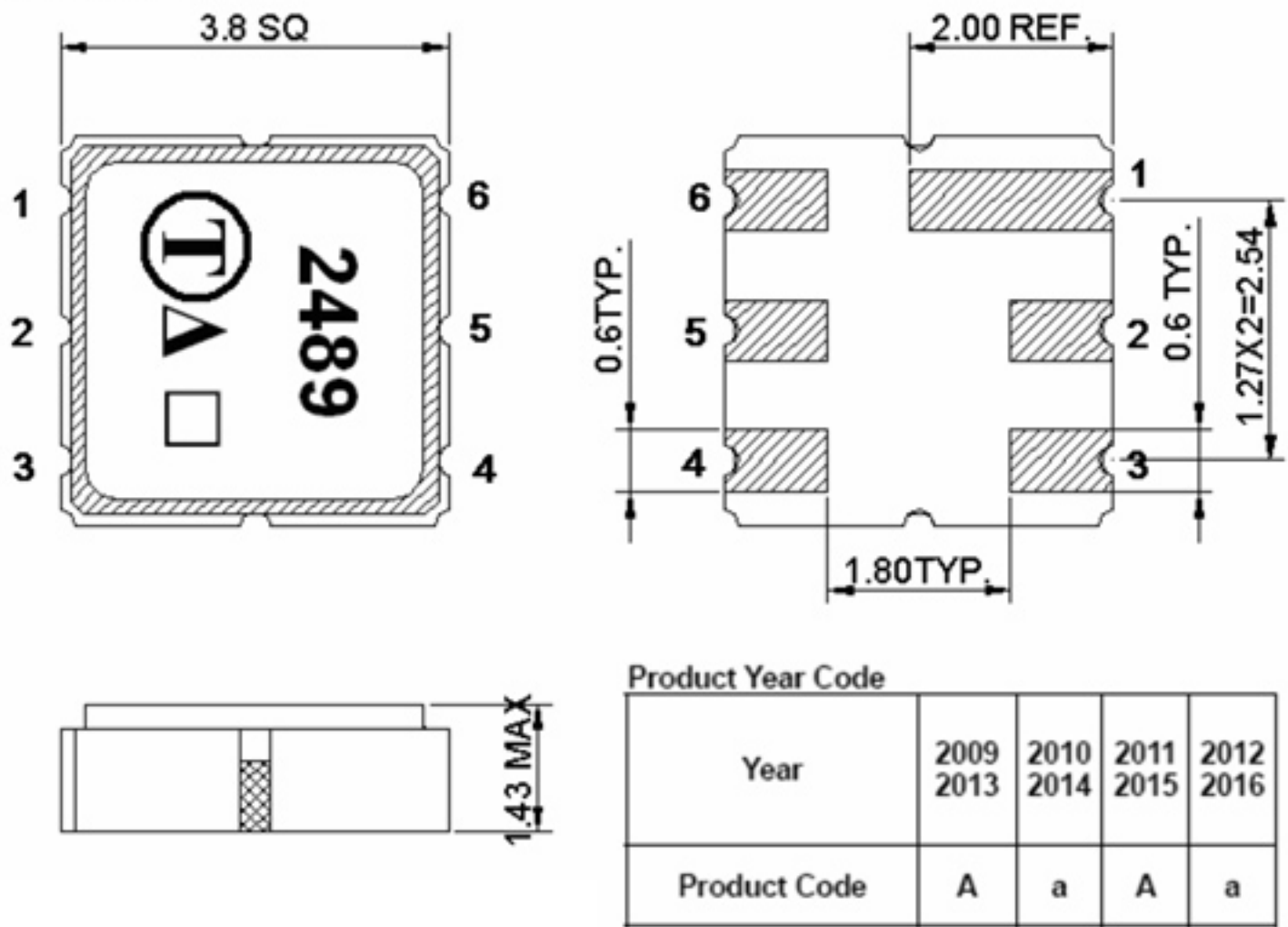
Span 50 MHz



Reflection function



E.OUTLINE DRAWING:

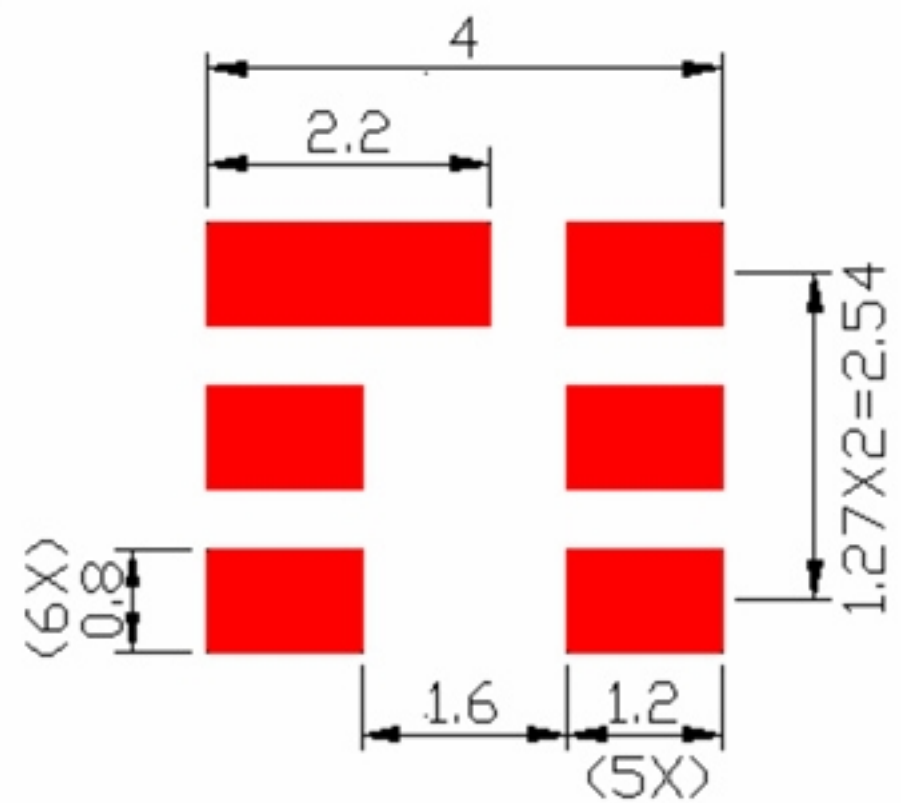


Unit: mm
 △: Year Code
 □: Date Code
 Input: 2
 Output: 5
 Ground: 1, 3, 4, 6

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

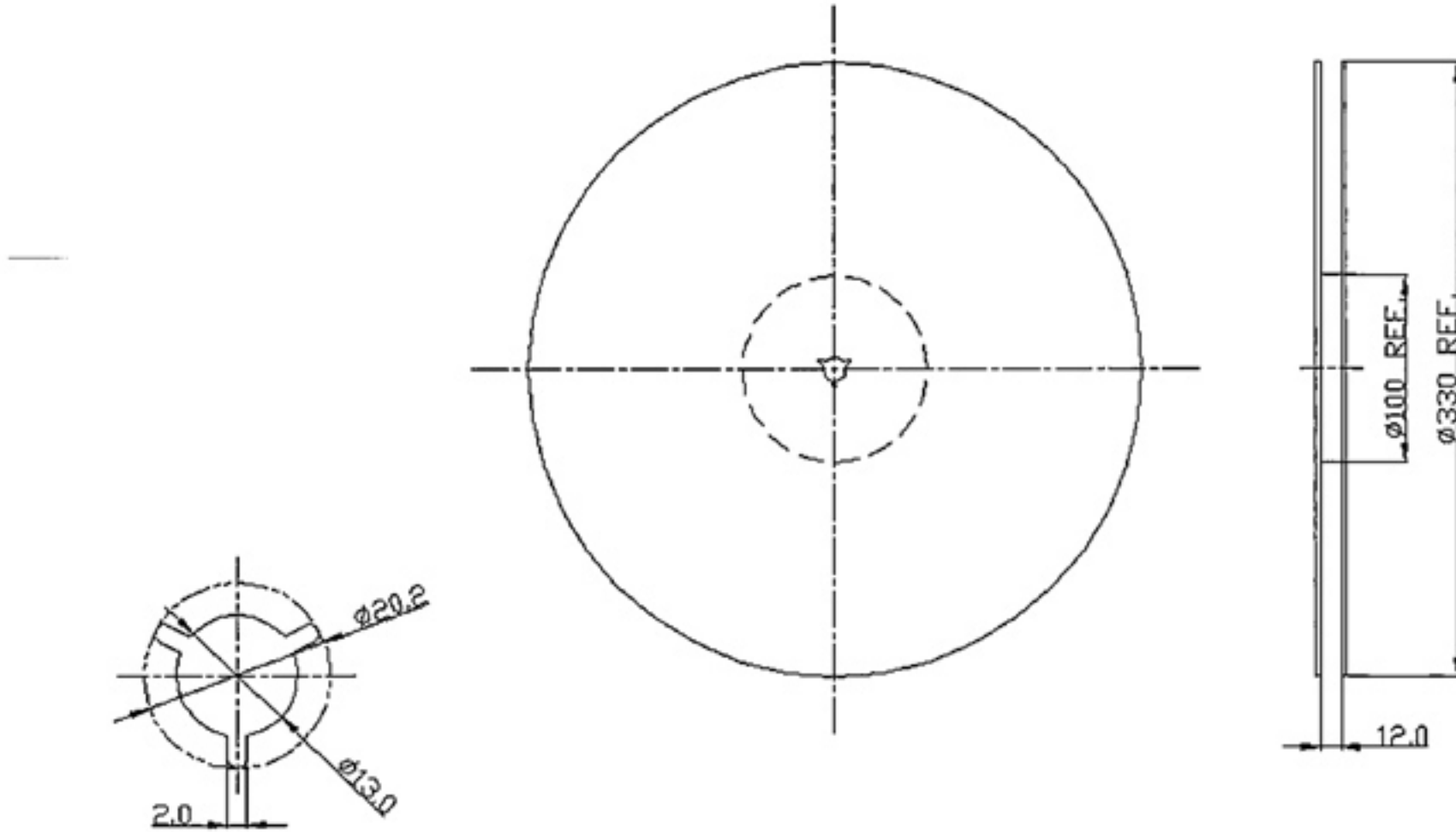
F. PCB FOOTPRINT:



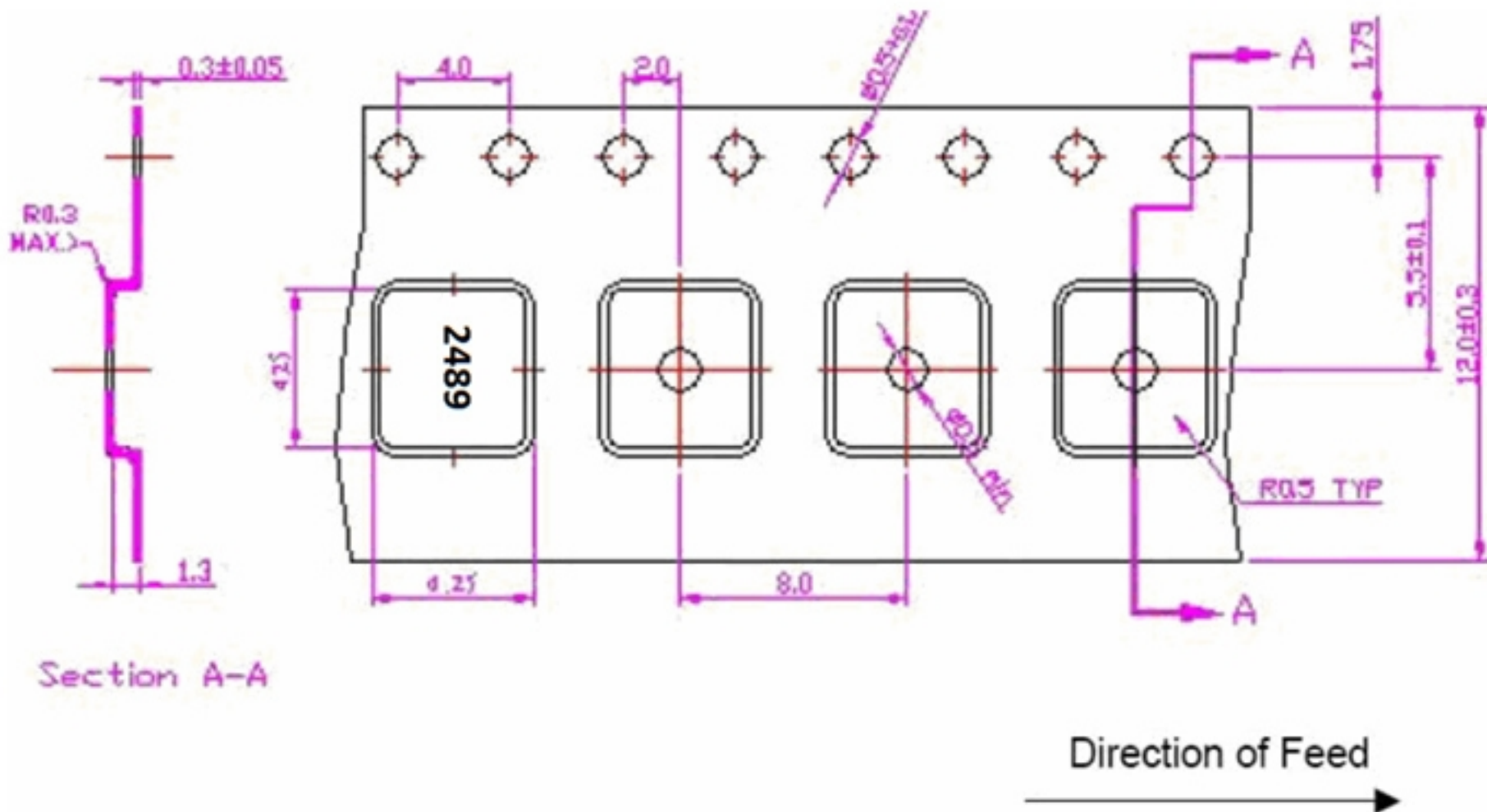
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

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

