

SAW Filter 869.85 MHz

MODEL NO.: TA0317A

REV. NO.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. Operating Temperature: -45°C to +90°C
3. Storage Temperature: -45°C to +90°C
4. Moisture Sensitivity Level: Level 1 (MSL1)

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

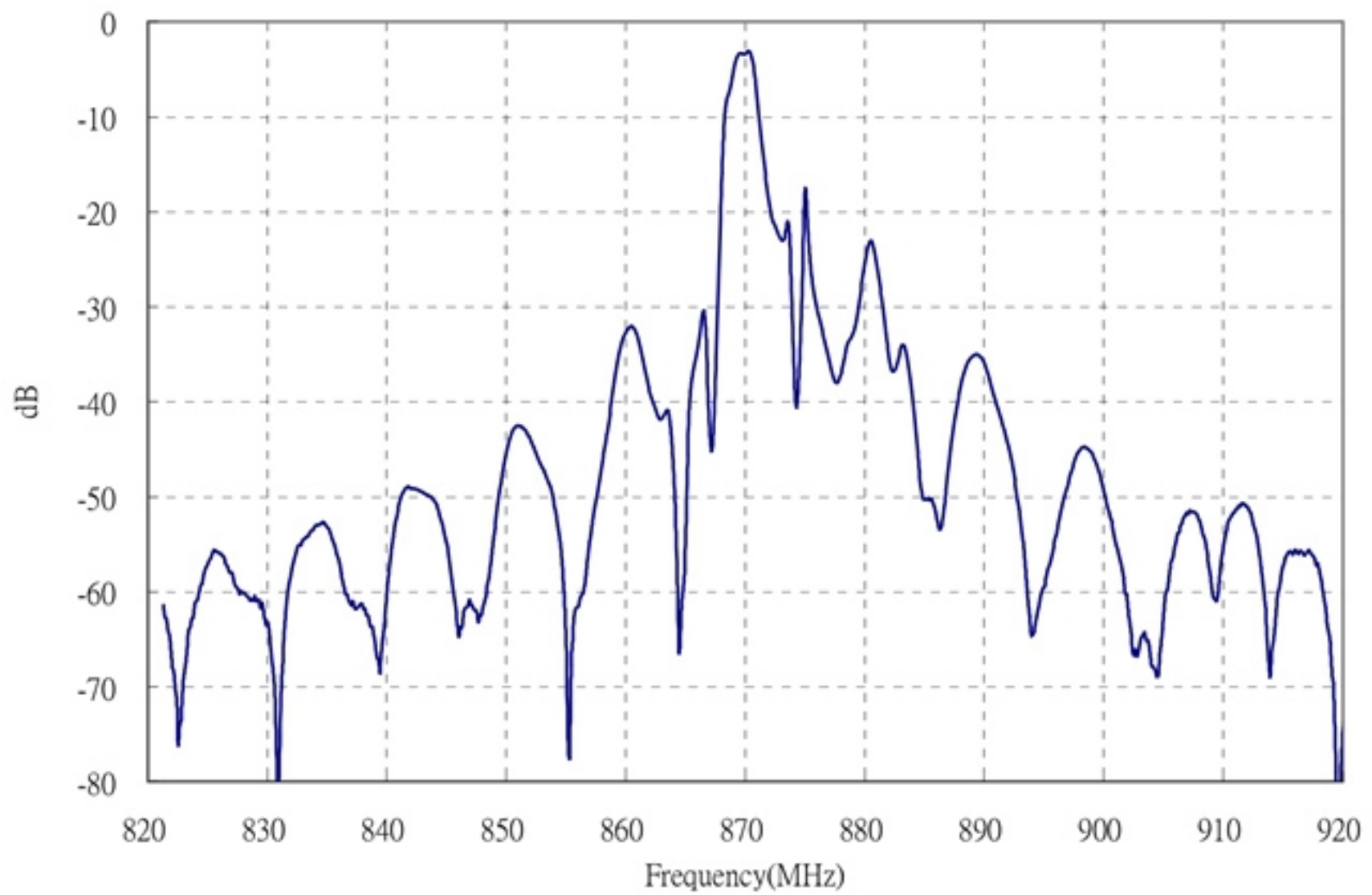
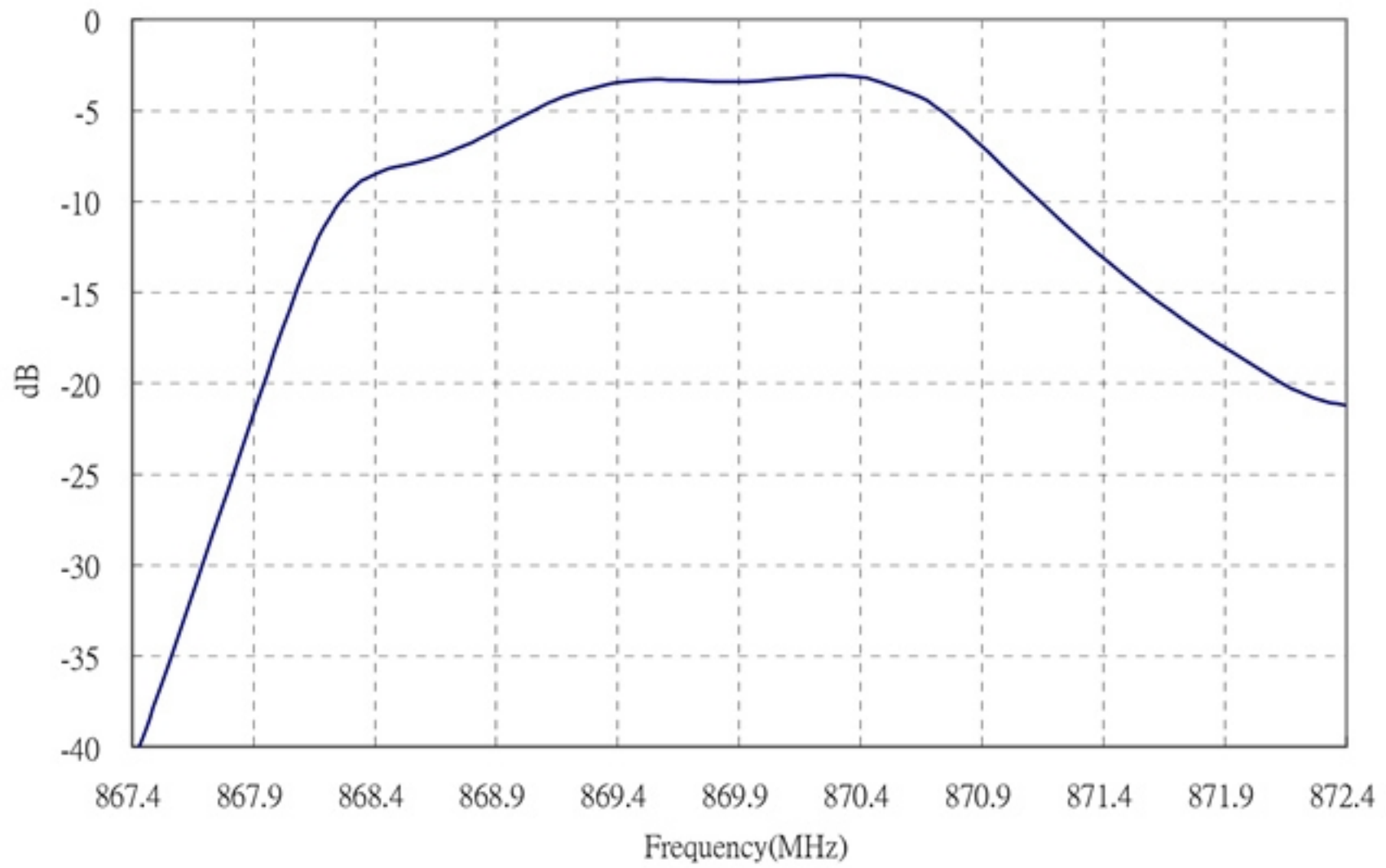
B. ELECTRICAL CHARACTERISTICS:

Reference temperature: 25°C

Item	Min.	Typ.	Max.	Note
Center frequency F_c (MHz)	-	869.85	-	1
Minimum I.L. (869.45~870.43 MHz) (dB) IL_{min}	-	3.0	4.7	
Pass band (relative to IL_{min})				
869.45~870.43 MHz (dB)	-	1.0	3.0	1
869.37~870.51 MHz (dB)	-	1.5	6.0	
Pass bandwidth (relative to IL_{min}) BW_3 (KHz)	-	1850	-	
Attenuation :(relative to IL_{min}) (dB)				
10~700.25 MHz (dB)	55	60	-	
700.25~843.25 MHz (dB)	40	45	-	
843.25~865.45 MHz (dB)	28	31	-	
865.45~867.25 MHz (dB)	15	22	-	1
871.94~872.75 MHz (dB)	10	15	-	
872.75~880.25 MHz (dB)	11	16	-	
880.25~910.25 MHz (dB)	15	20	-	
910.25~1000 MHz (dB)	45	50	-	
Impedance at F_c ; Input $Z_{IN}=R_{IN}/C_{IN}$ Output $Z_{OUT}=R_{OUT}/C_{OUT}$		117Ω // 3.7 pF 117Ω // 3.7 pF		

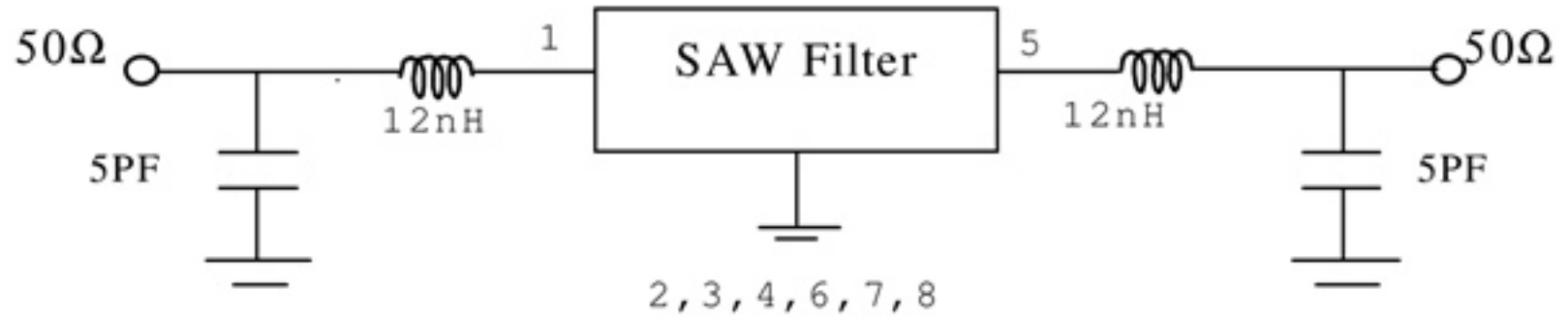
Note1. The standard definitions is in JIS C 6703

C. FREQUENCY CHARACTERISTICS:

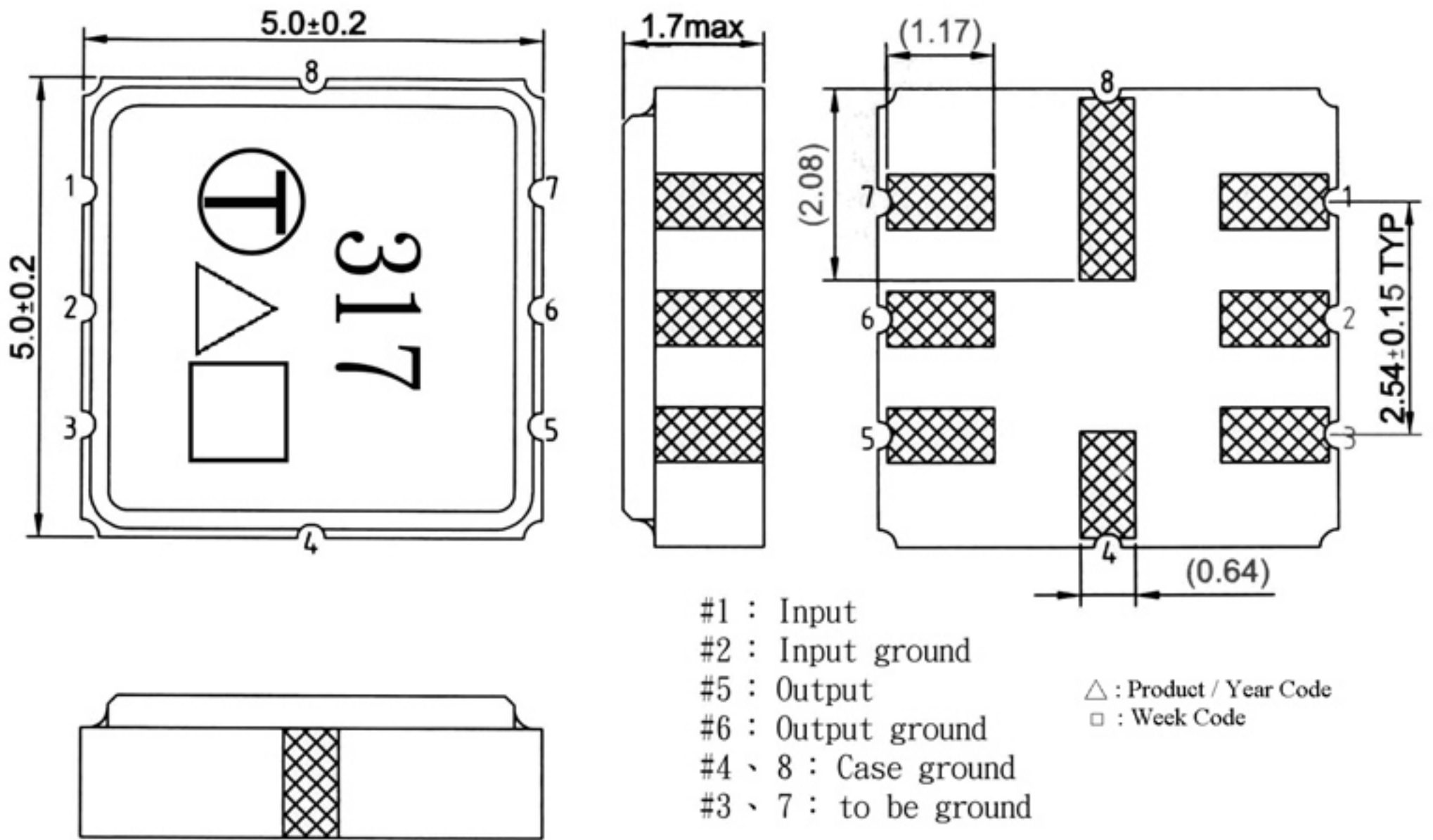


D. MEASUREMENT CIRCUIT:

HP Network analyzer



E. OUTLINE DRAWING:



Unit : mm

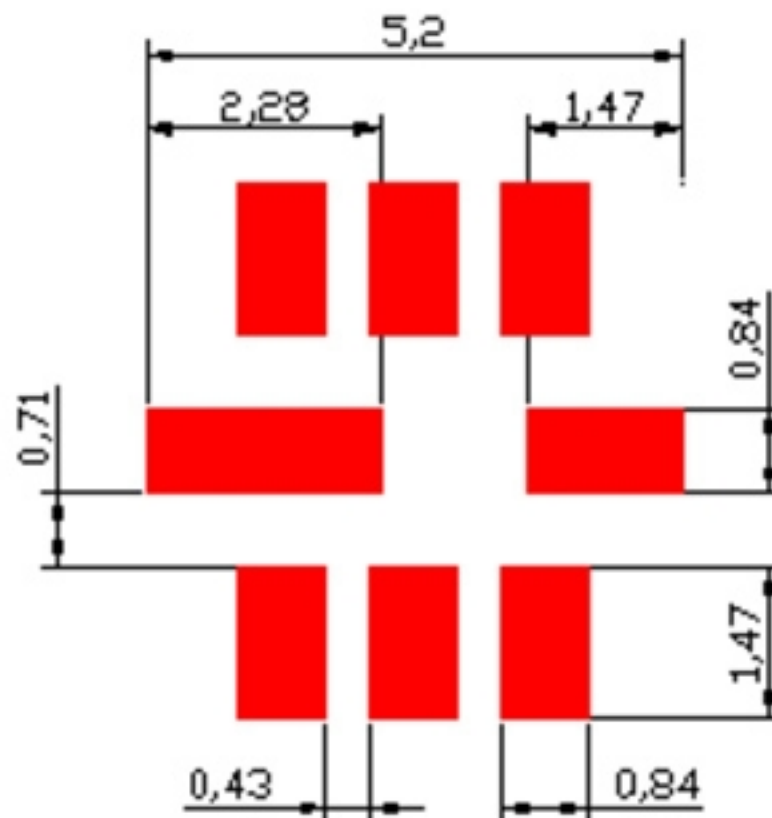
Product / Year Code- 4year cycle

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

Week Code Table

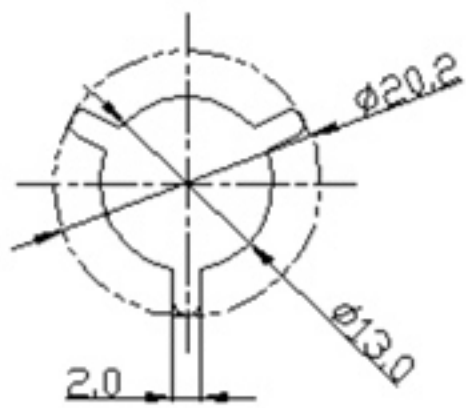
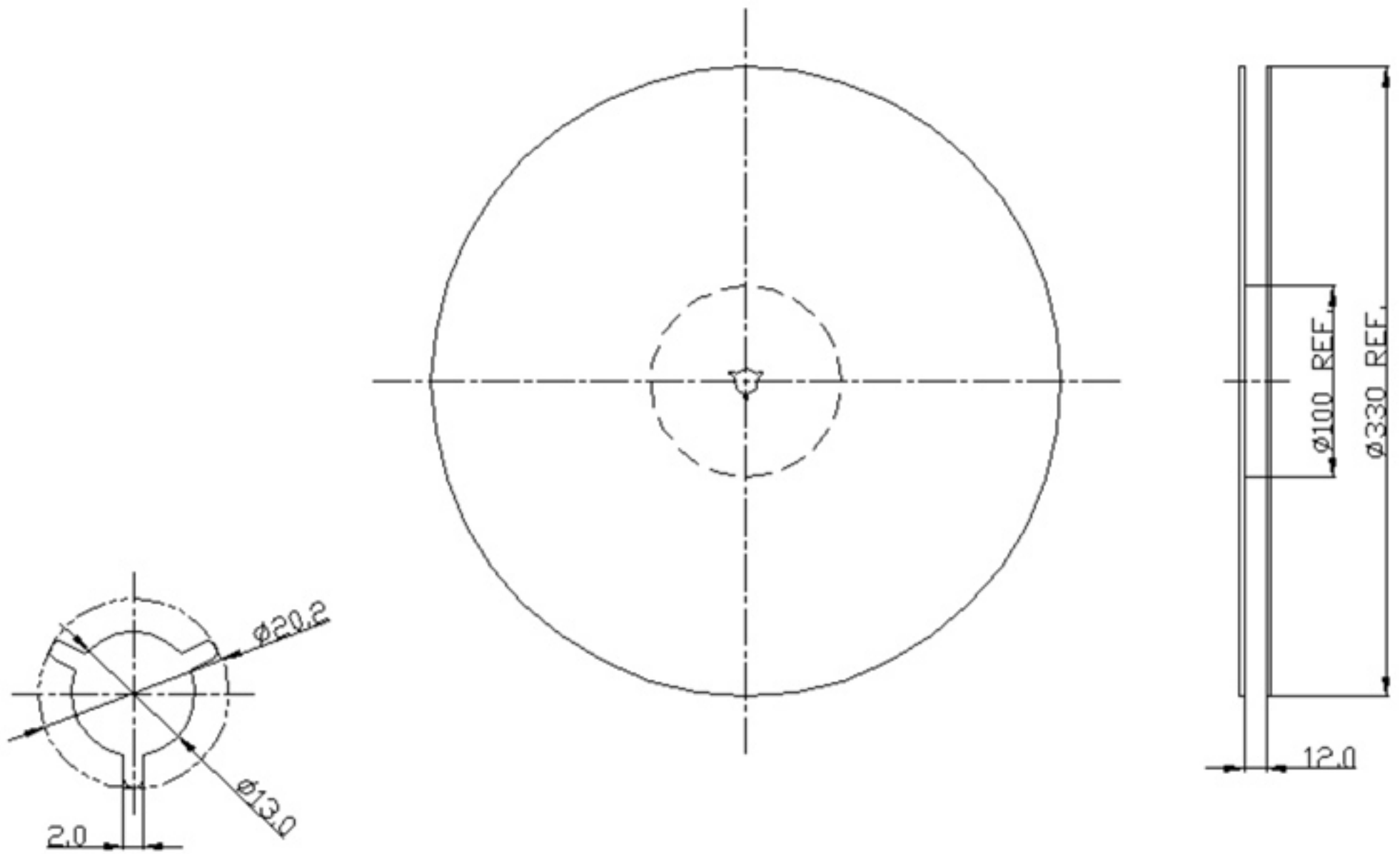
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

F.PCB FOOTPRINT:

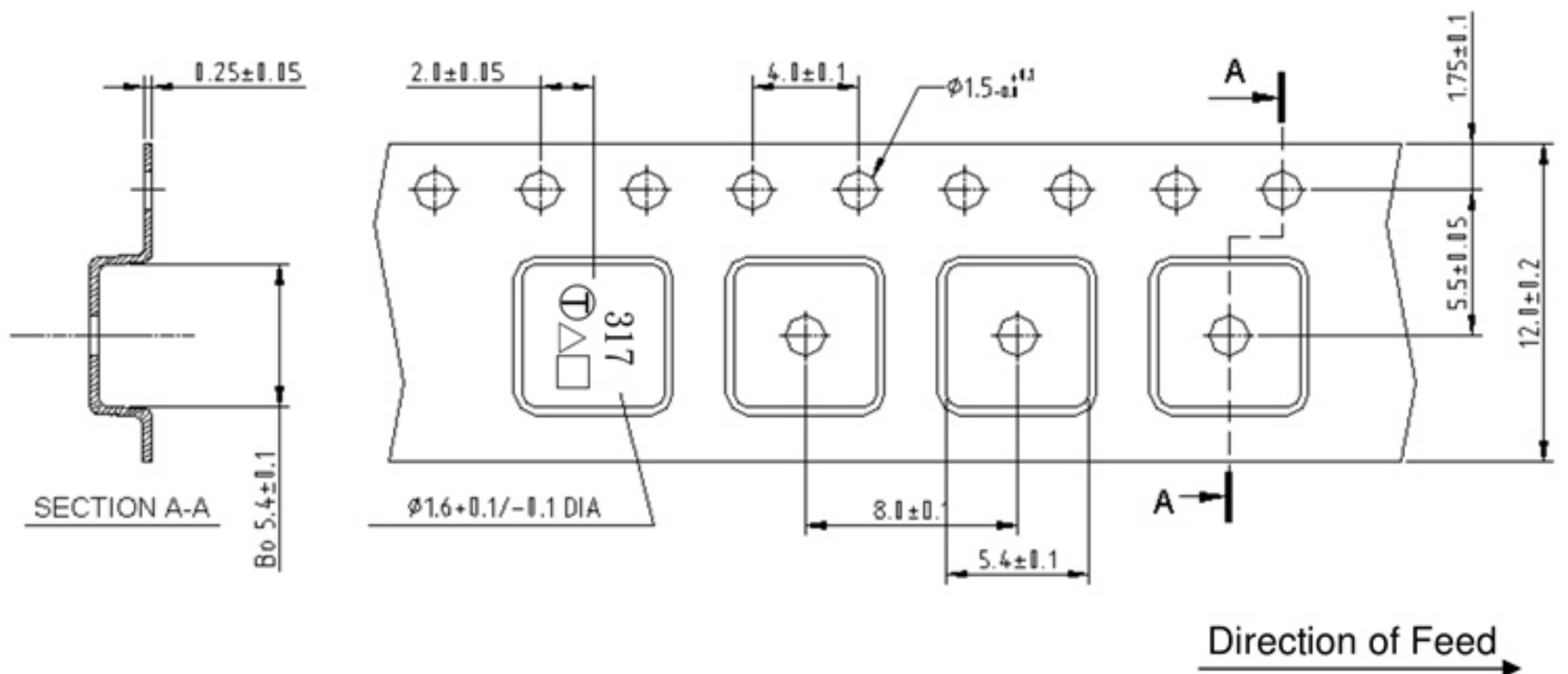


G. PACKING:

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°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.

