

# SAW Filter 155 MHz For Pager

MODEL NO.: TA155FD

REV. NO.:8.0

## A. MAXIMUM RATING:

1. Input Power Level: 0 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(MSL1)



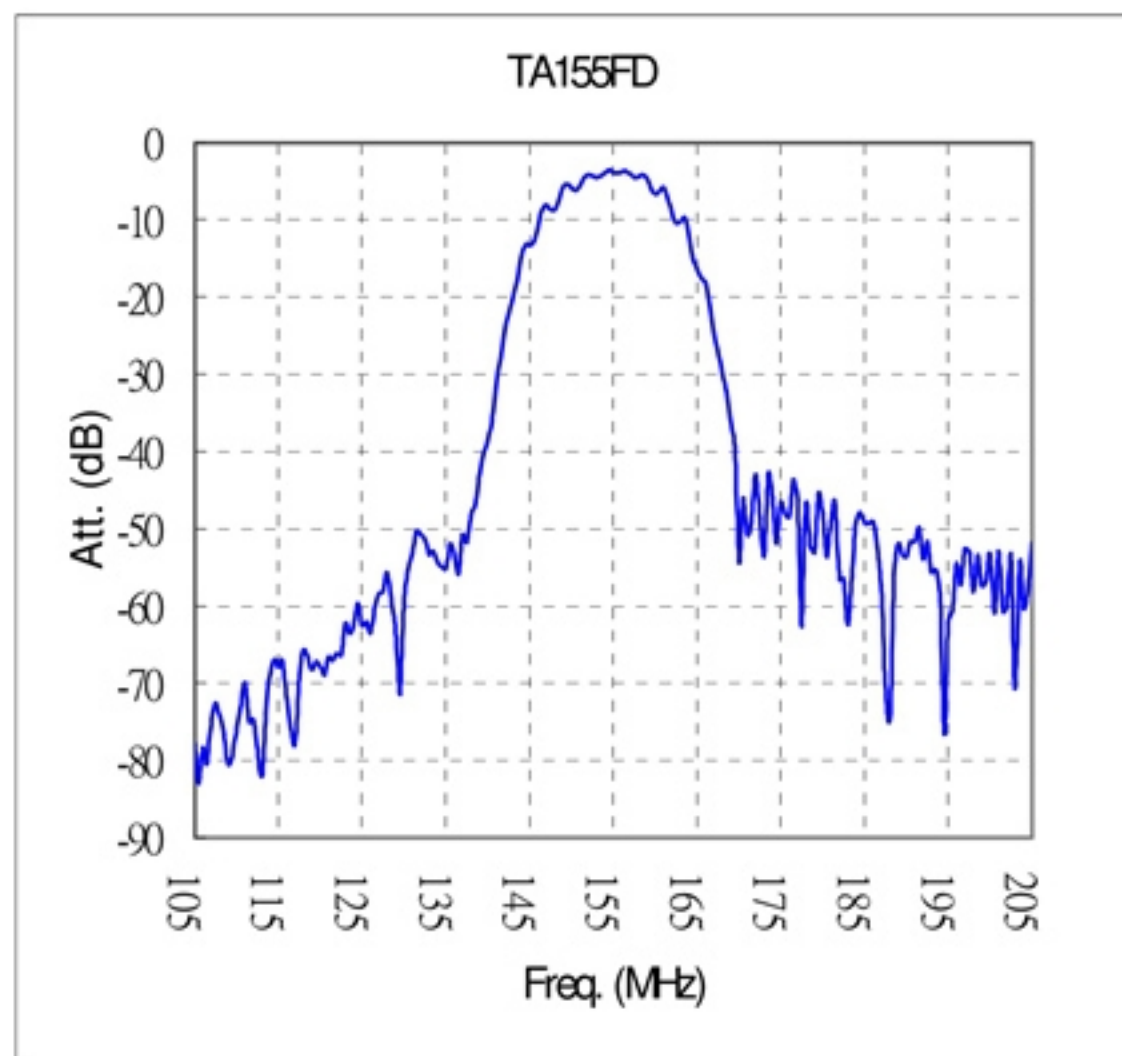
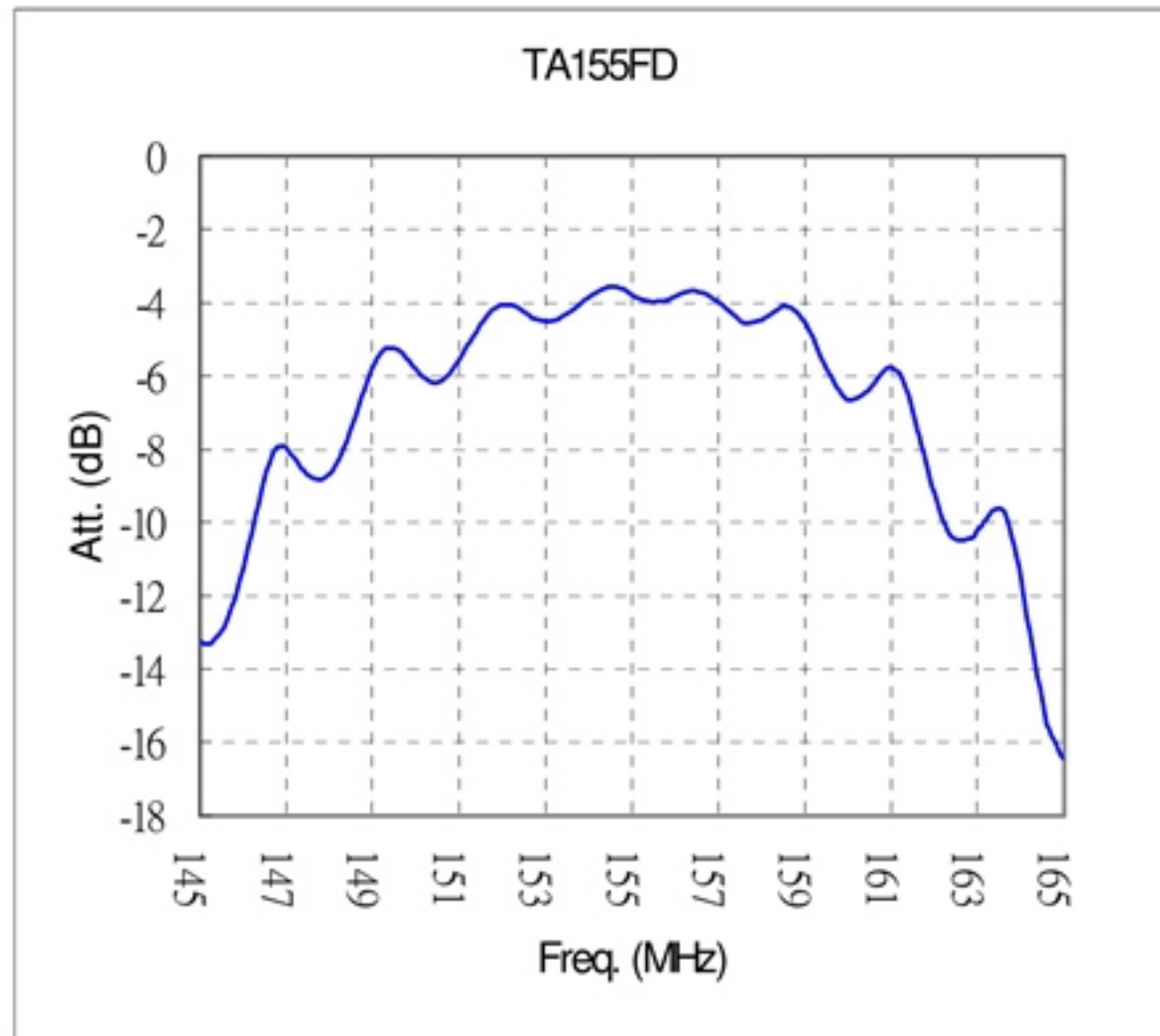
Electrostatic Sensitive Device

## B. ELECTRICAL CHARACTERISTICS:

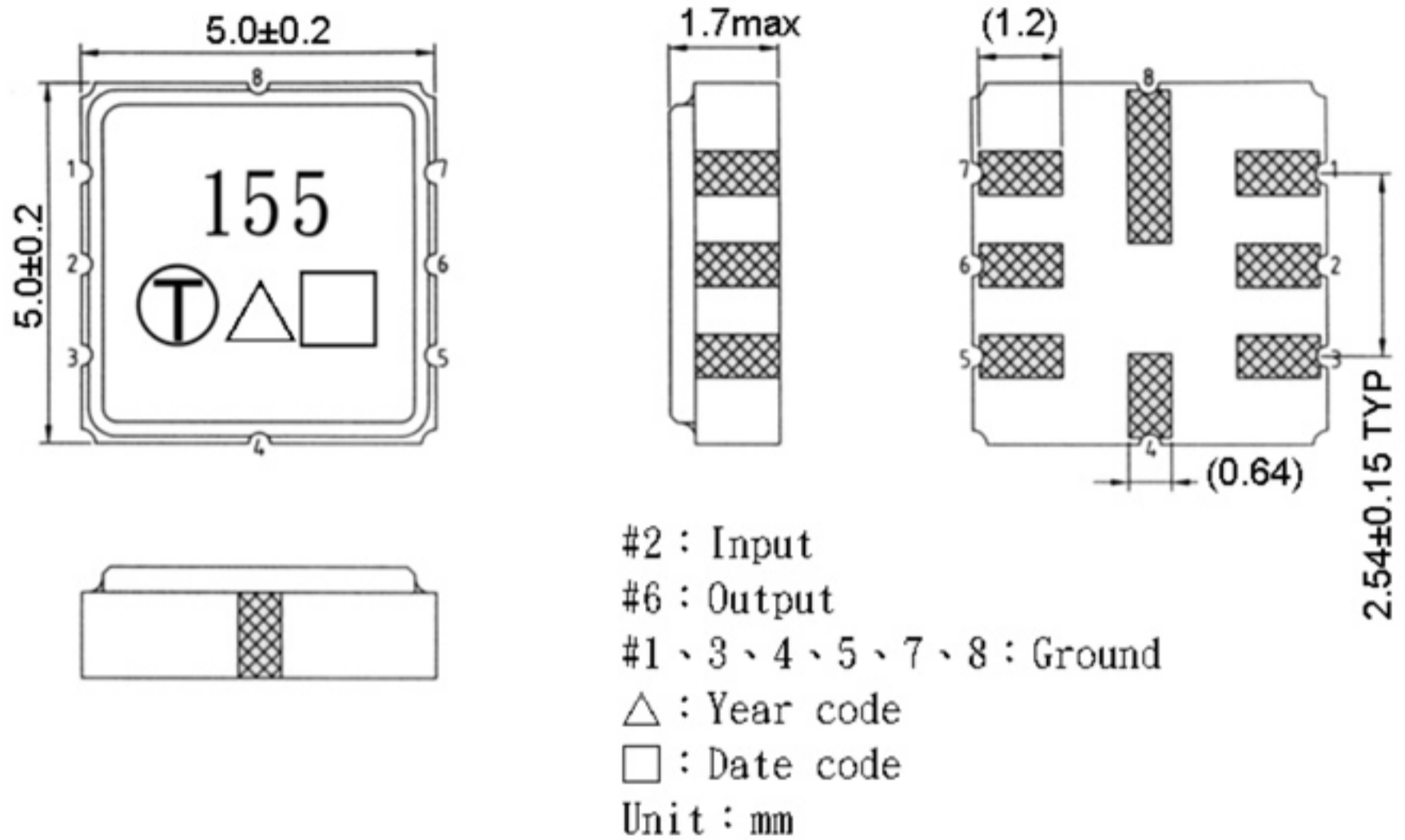
Characteristics	Specification	Note
Center frequency $F_c$ (MHz)	155	1
I.L. (Within $F_c \pm 4$ MHz)	6.5 Max.	1
Amplitude Ripple, <b>A.R.</b> (Within $F_c \pm 4$ MHz) (dB)	2.1 Max.	
Attenuation:( Reference level from 0 dB) (dB )		
$F_c - 100$ MHz to $-38.8$ MHz (dB )	50 Min.	1
$F_c +38.8$ MHz to $+ 100$ MHz (dB )	42 Min.	

Note1. The standard definitions is in JIS C 6703

### C. FREQUENCY CHARACTERISTICS:



**D. OUTLINE DRAWING:**



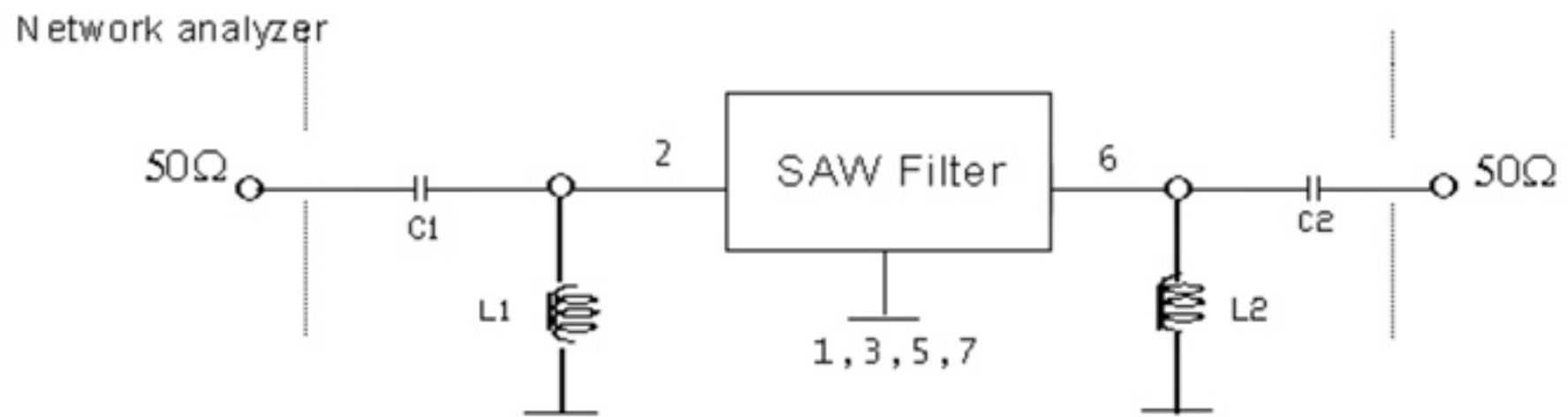
Product / Year Code- 4year cycle

Year	2017 2021	2018 2022	2019 2023	2020 2024
Product Code	F	f	<u>E</u>	f

Week Code Table

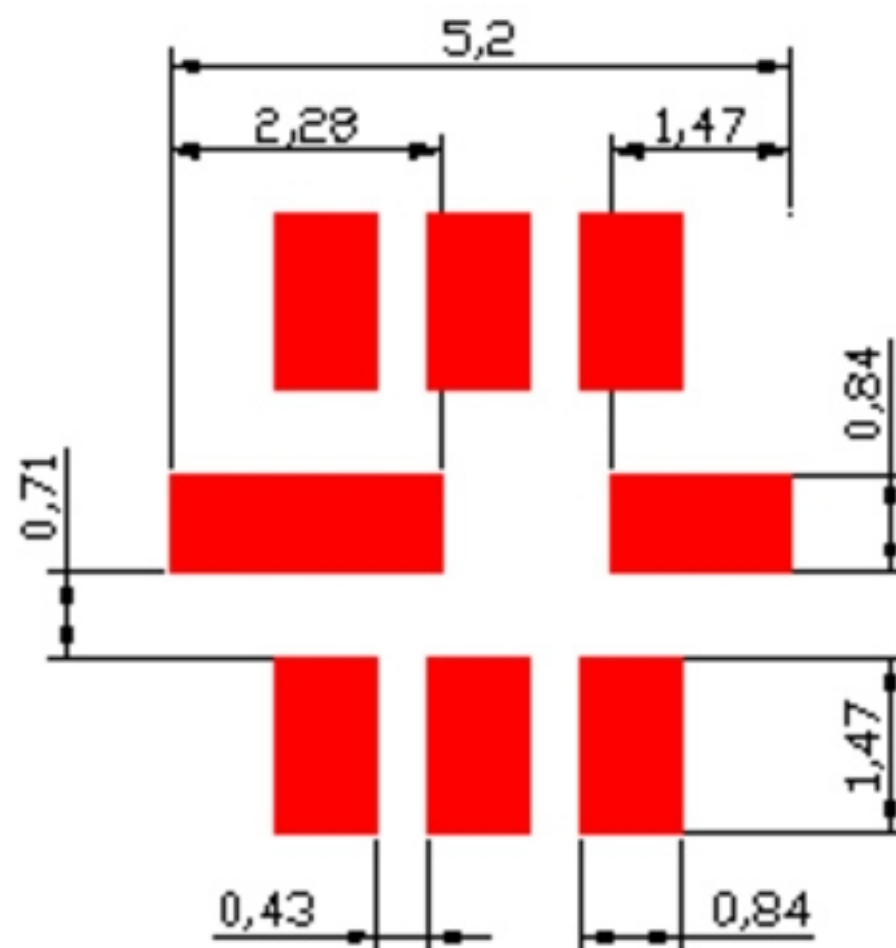
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

### E. MEASUREMENT CIRCUIT:



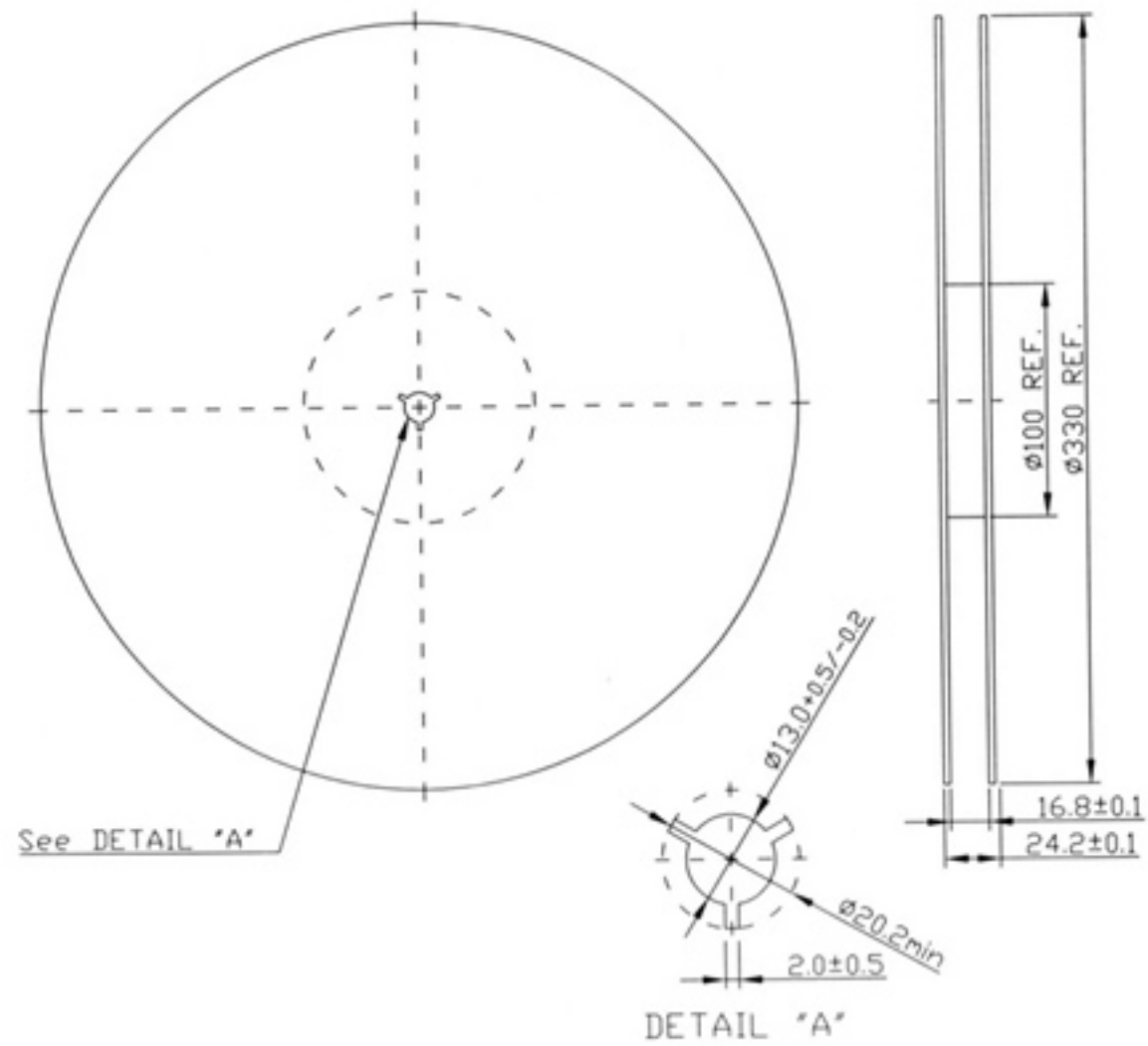
$$\begin{aligned} C1 &= 9 \text{ pF} & L1 &= 47 \text{ nH} \\ C2 &= 8 \text{ pF} & L2 &= 47 \text{ nH} \end{aligned}$$

### F. PCB FOOTPRINT:

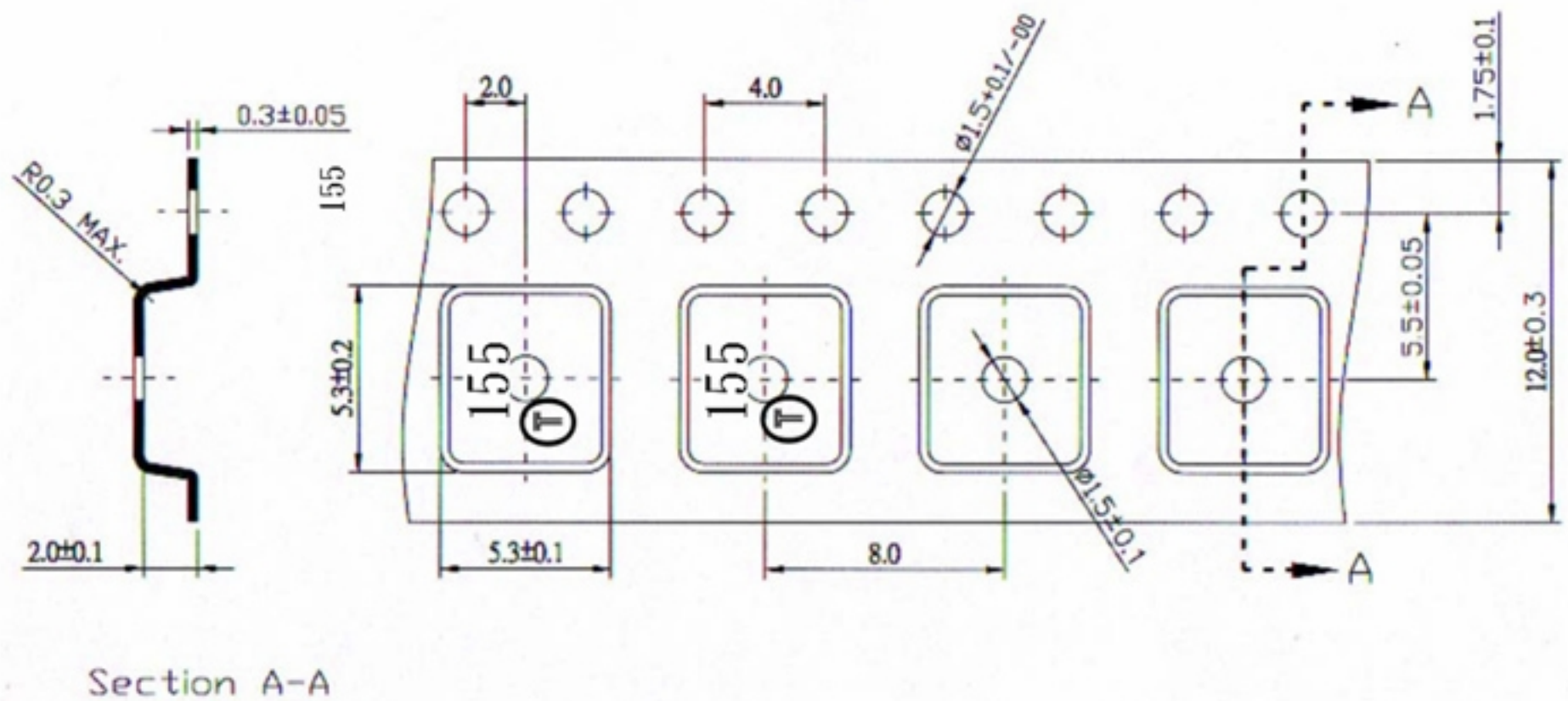


## G. PACKING:

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.

