

# SAW Filter 643 MHz

MODEL NO.:TA0955A

REV. NO.:2.0

## A. MAXIMUM RATING:

1. Input Power Level: 13 dBm
2. DC Voltage : 5V
3. Operating Temperature: -10 °C to +60 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level 1(MSL1)

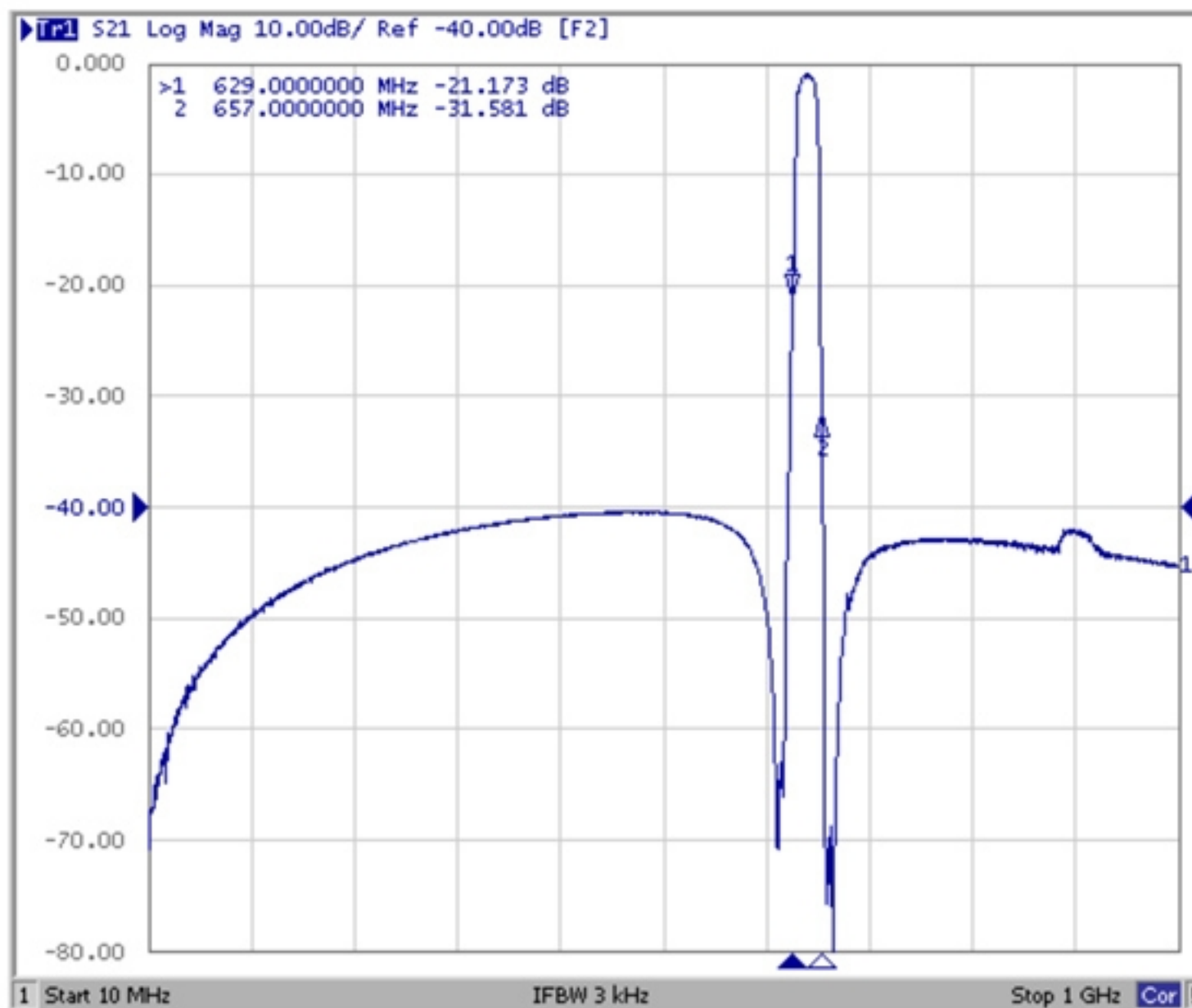
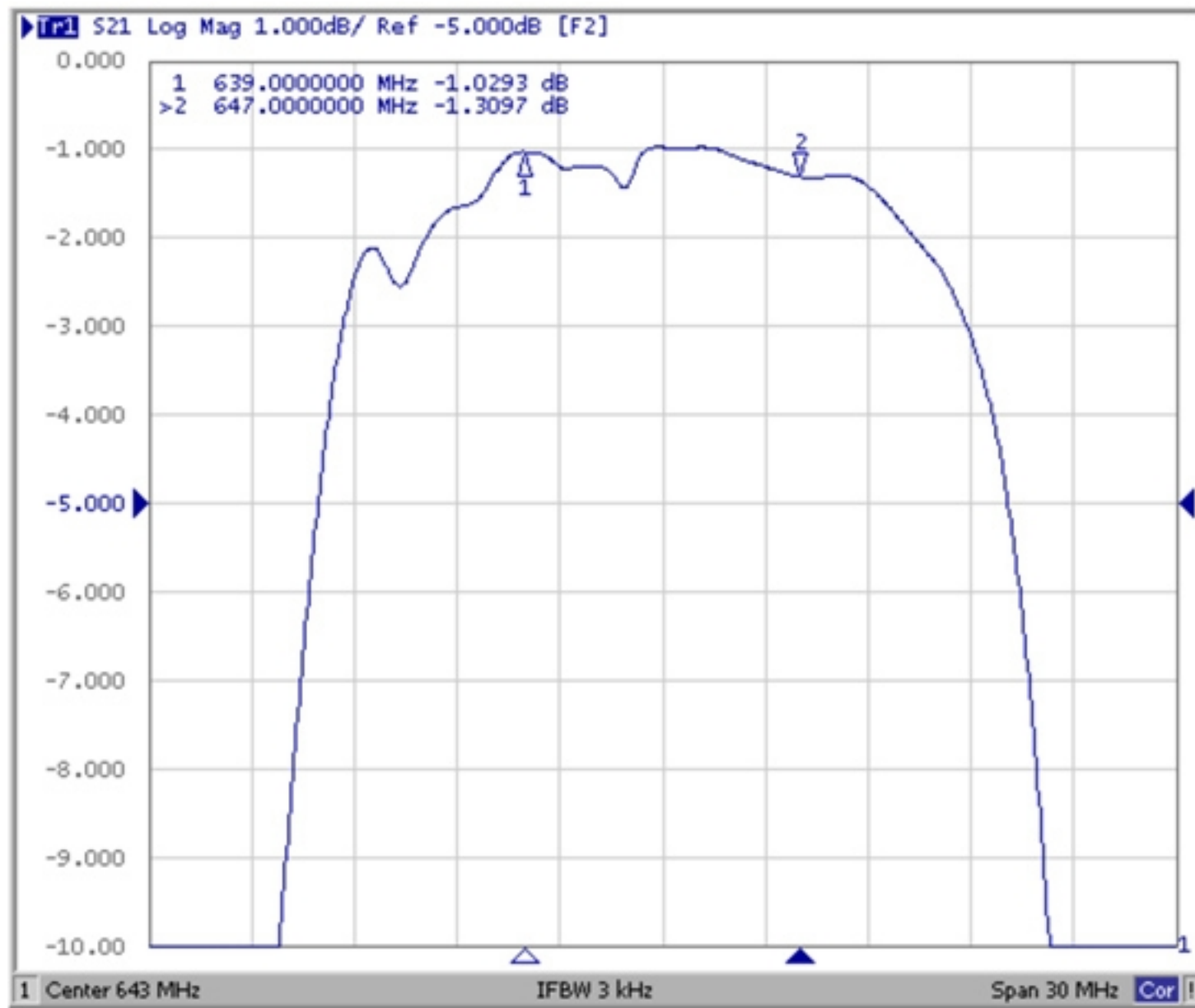
RoHS Compliant  
Lead free  
Lead-free soldering

Electrostatic Sensitive Device

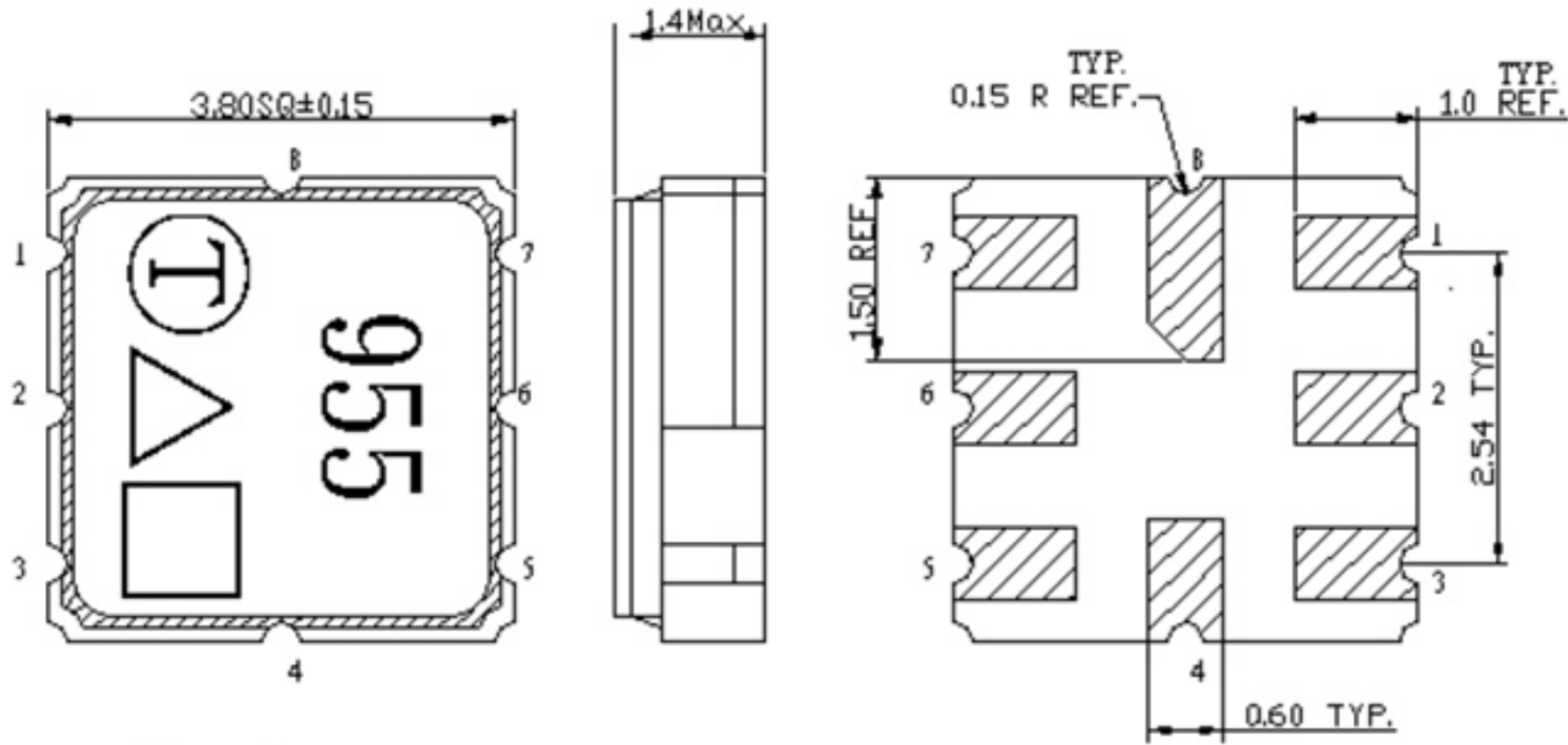
## B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note	
<b>Center Frequency</b> <b>F<sub>c</sub></b>	MHz	-	643	-	-	
<b>Insertion loss</b> (639~647MHz) <b>IL</b>	dB	-	1.3	3	-	
<b>Amplitude Ripple</b> (639 ~ 647 MHz)	dB	-	0.3	2	-	
<b>Attenuation</b> (Reference level from 0 dB)						
0 ~ 619 MHz	dB	36	40	-	-	
619 ~ 629 MHz	dB	9	21	-	-	
657 ~ 667 MHz	dB	9	31	-	-	
667 ~ 1000 MHz	dB	40	42	-	-	
<b>Temperature Coefficient of Frequency</b>	Ppm/°C	-	-36	-	-	

### C. Frequency Characteristics :



**D.OUTLINE DRAWING:**



- #2 : Input
- #6 : Output
- #1、3、4、5、7、8 : Ground
- △ : Year code
- : Date code
- Unit : mm

Product / Year Code

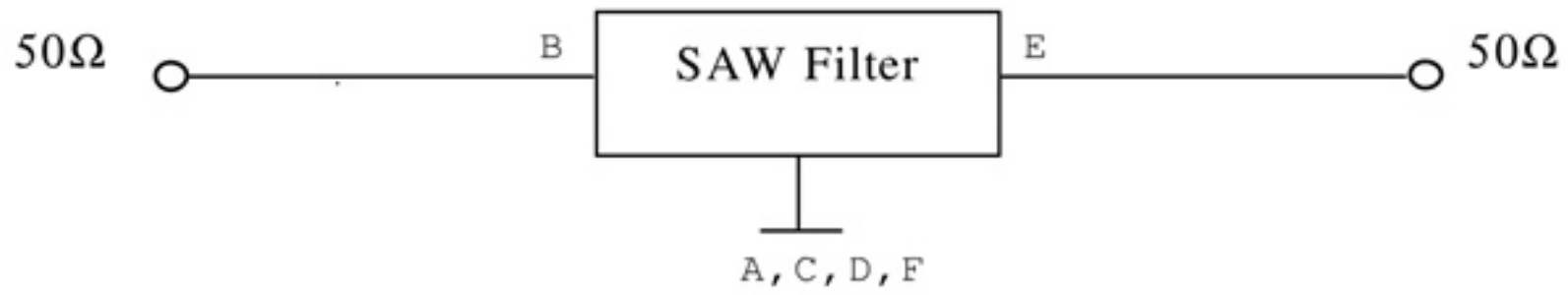
Year	2019 2021	2020 2022
Product Code	A	a

Week Code Table

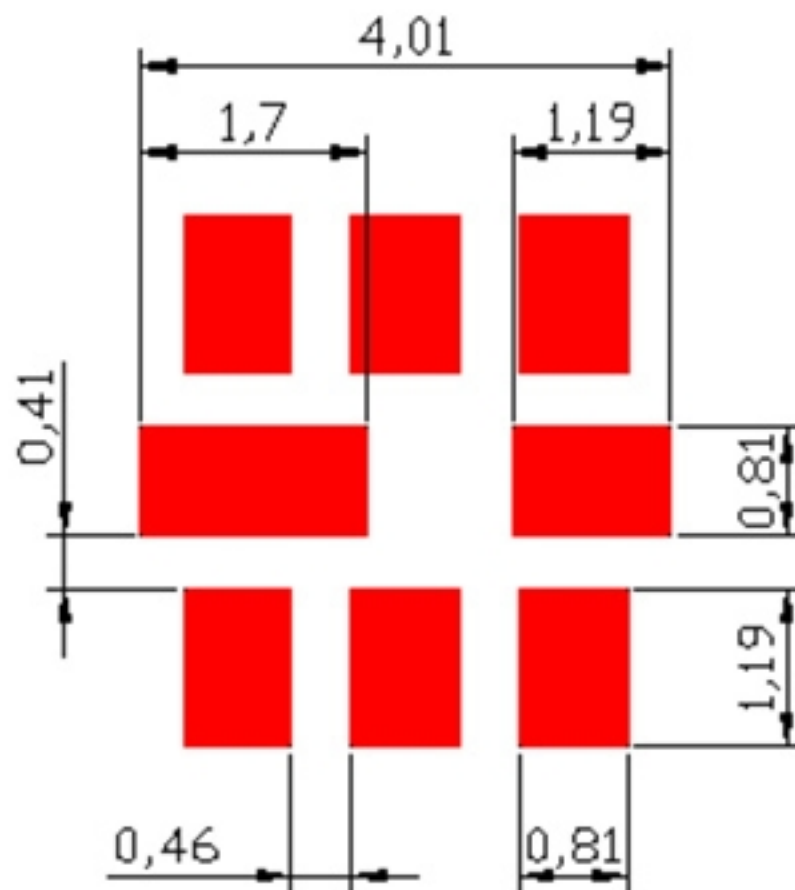
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

**E. MEASUREMENT CIRCUIT:**

HP Network analyzer



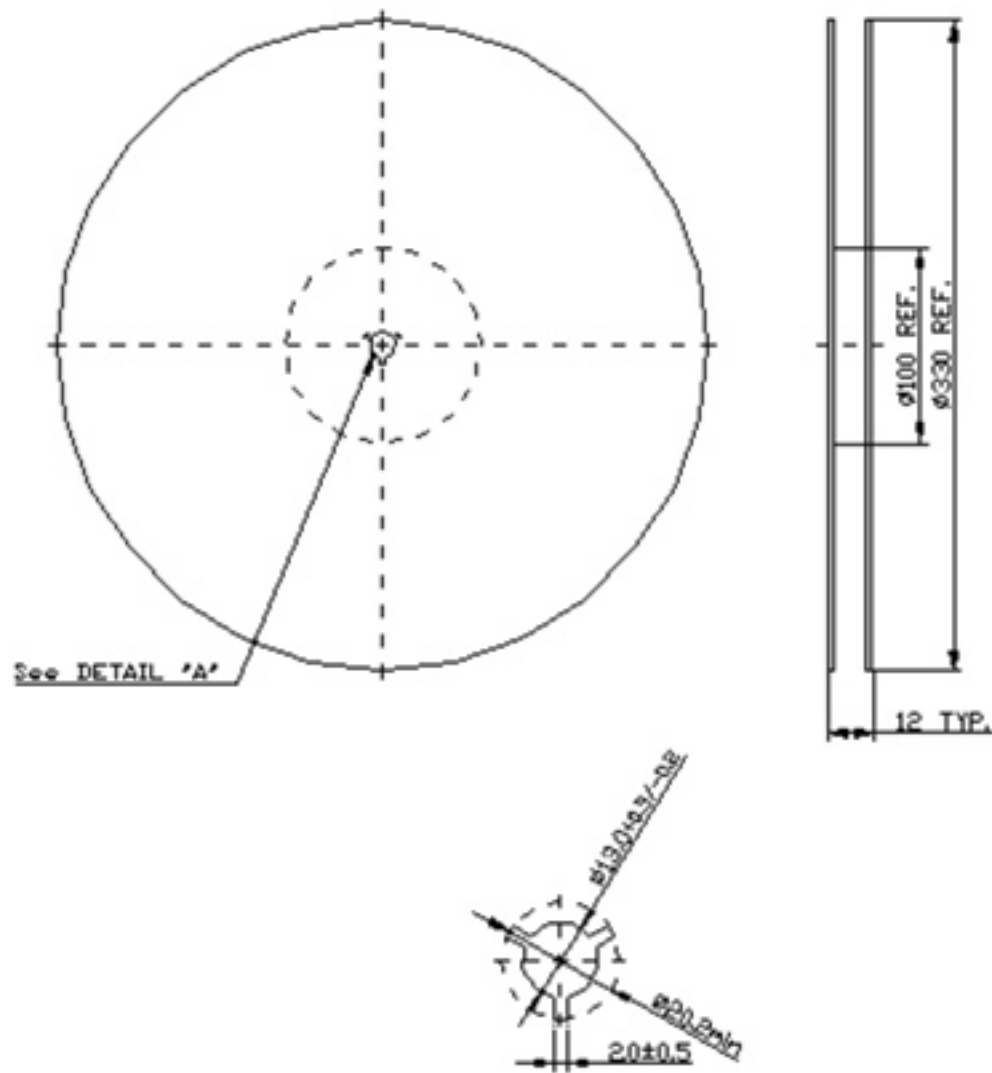
**F. PCB Footprint:**



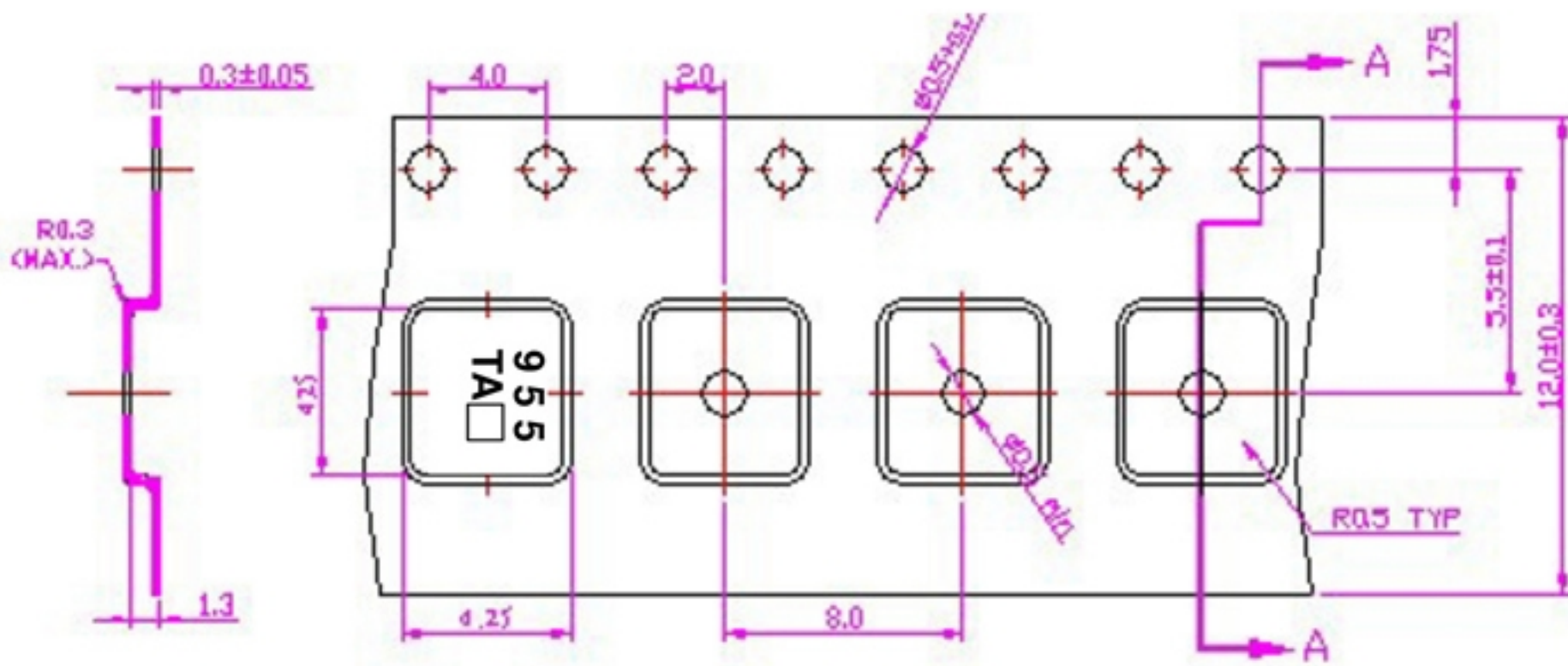
**G. PACKING:**

**1. REEL DIMENSION**

(Reel Count : 7"=1000 ; 13"=3000 )



**2. TAPE DIMENSION**



Section A-A

**Direction of Feed**



## 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.

