

## SAW Filter 353.5 MHz

MODEL NO.: TA2495A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -10°C to +65°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1(MSL1)

RoHS Compliant  
Lead free  
Lead-free soldering

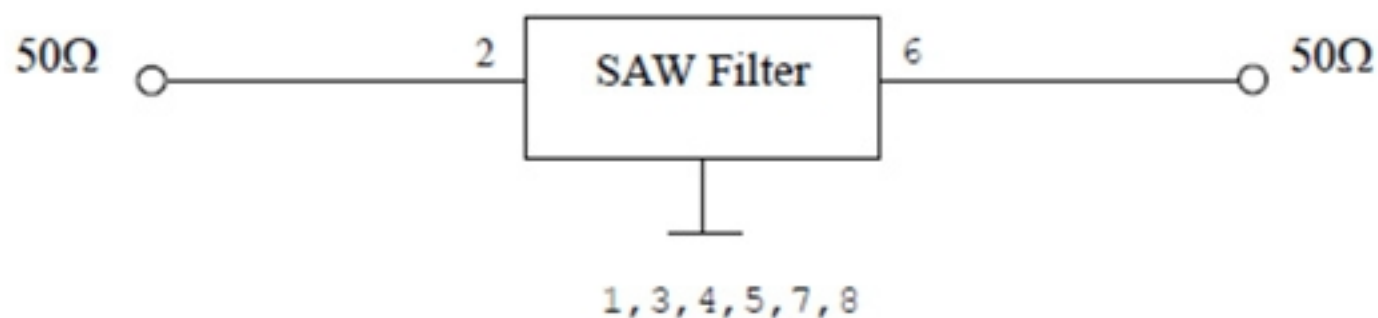
Electrostatic Sensitive Device (ESD)

### B. ELECTRICAL CHARACTERISTICS:

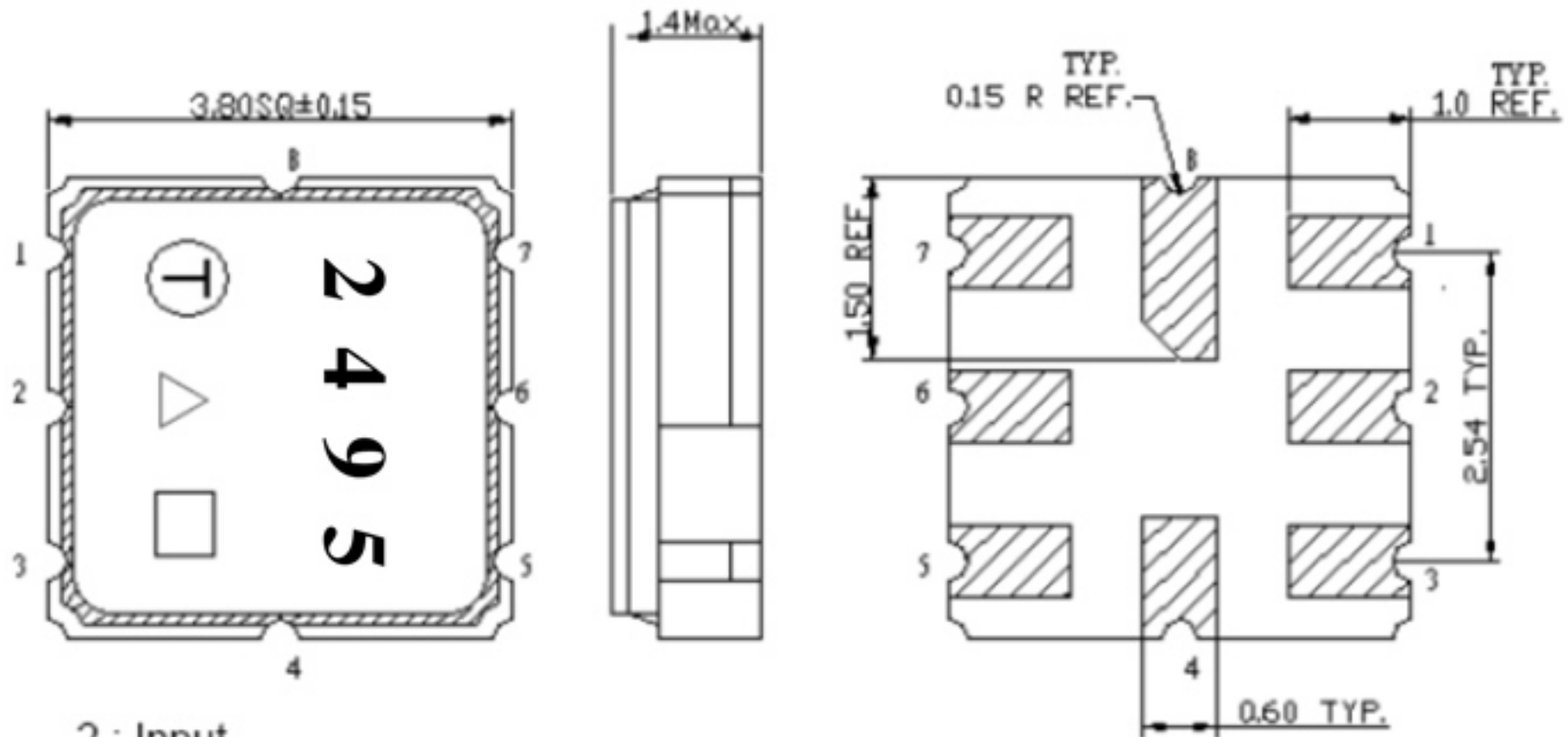
Item	Unit	Min	Type	Max
Center Frequency Fc	MHz		353.5	
Insertion Loss 351~356MHz IL	dB		1.7	2.5
Return Loss 351~356MHz IL	dB	10	18	
Amplitude ripple	dB		0.4	1.5
Bandwidth(-3dB) 351~356MHz	MHz	5	14	
<b>Attenuation</b> (Reference level from 0dB)				
10~300 MHz	dB	45	55	
300~335 MHz	dB	35	48	
373~400 MHz	dB	25	41	
400~830 MHz	dB	38	42	
830~1200 MHz	dB	30	34	
Temperature Coefficient of Frequency	ppm/°C		-36	

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



**D. OUTLINE DRAWING:**



2 : Input

6: Output

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

△ : Year Code

□ : Date Code (W01->A, W02->B,...,W52->z)

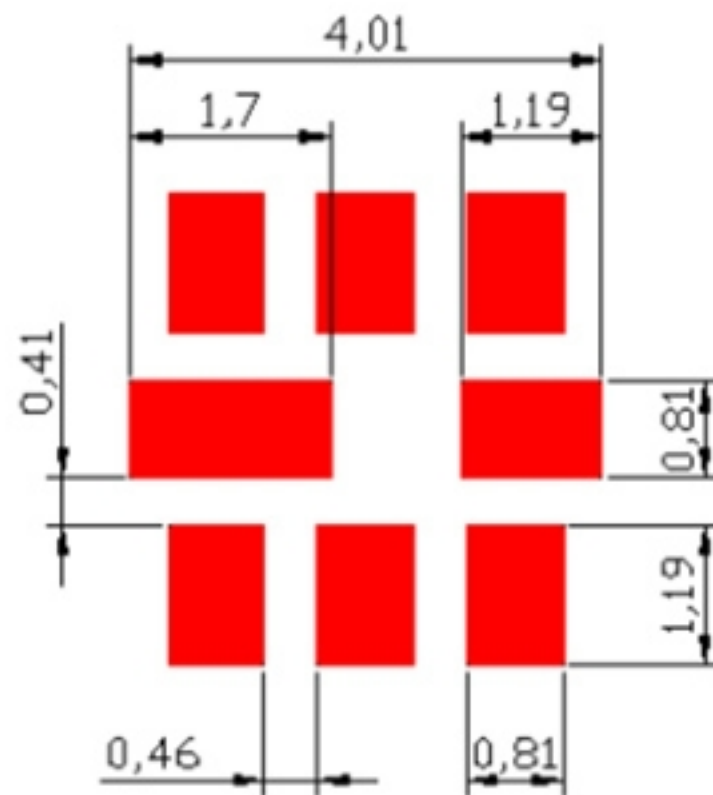
△ : Product / Year Code

Year	2013 2017	2014 2018	2015 2019	2016 2020
Product Code	A	a	<u>A</u>	<u>a</u>

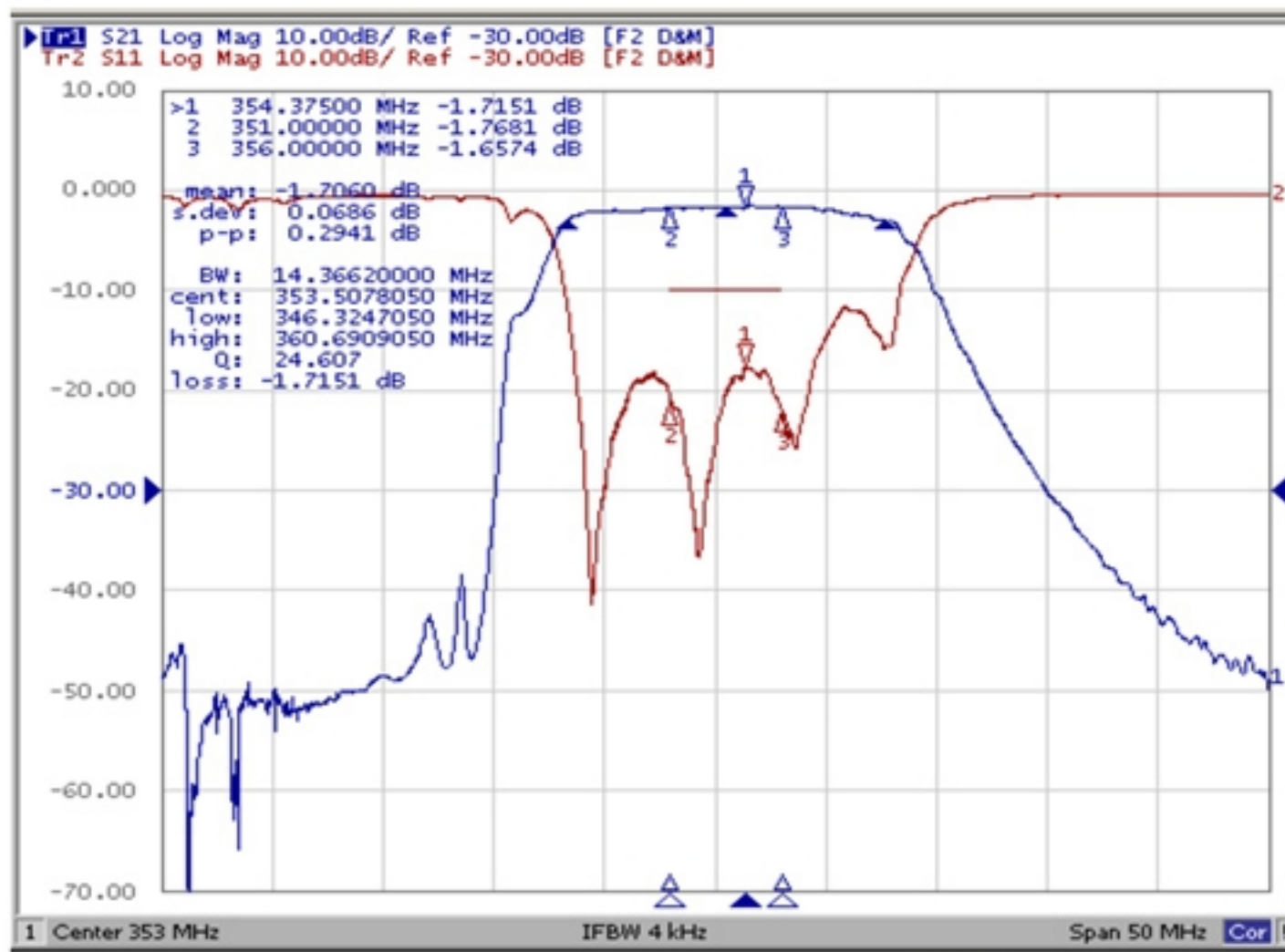
**Week Code Table**

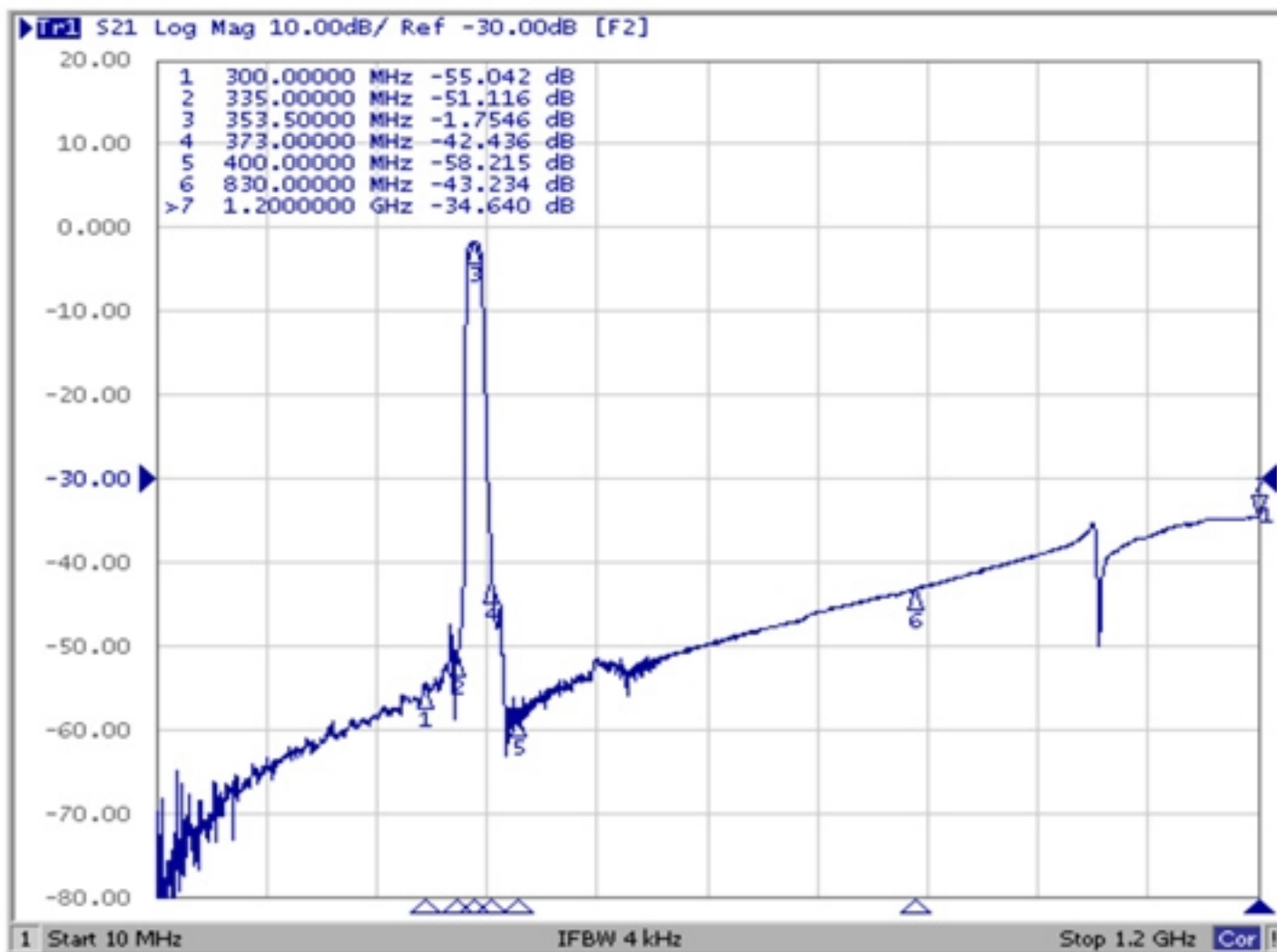
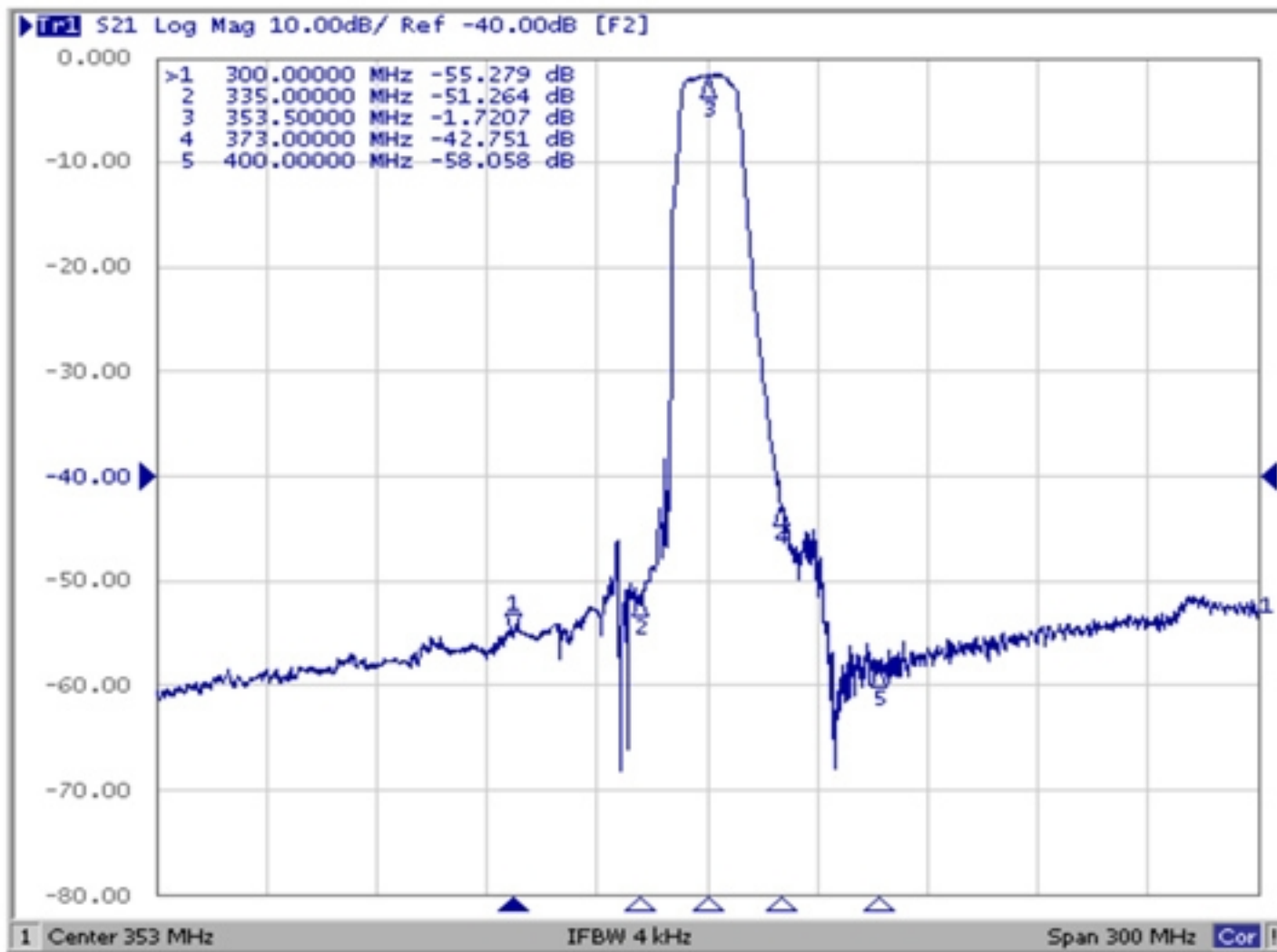
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

## E. PCB Footprint:



## F. Frequency Characteristics:



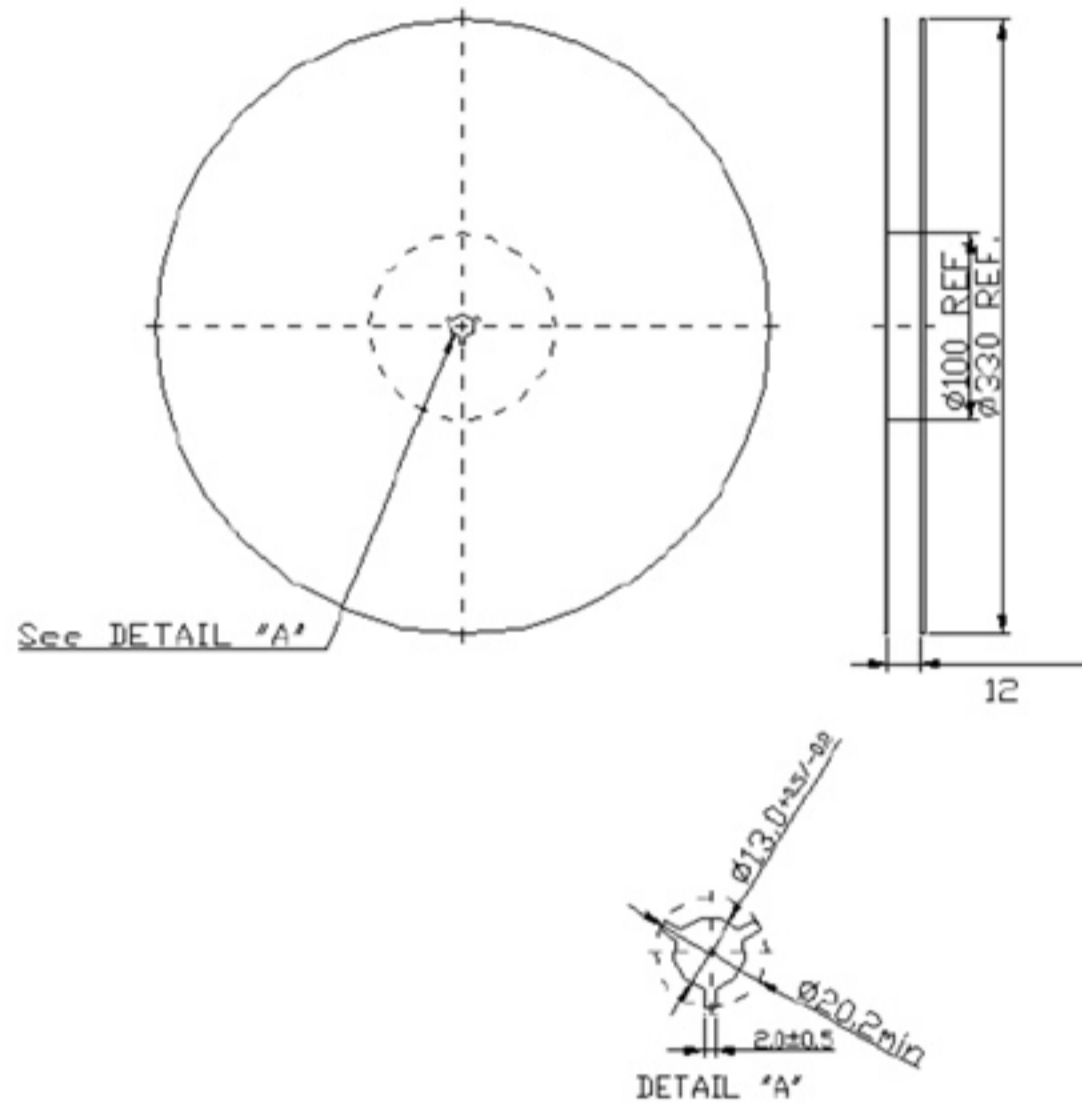




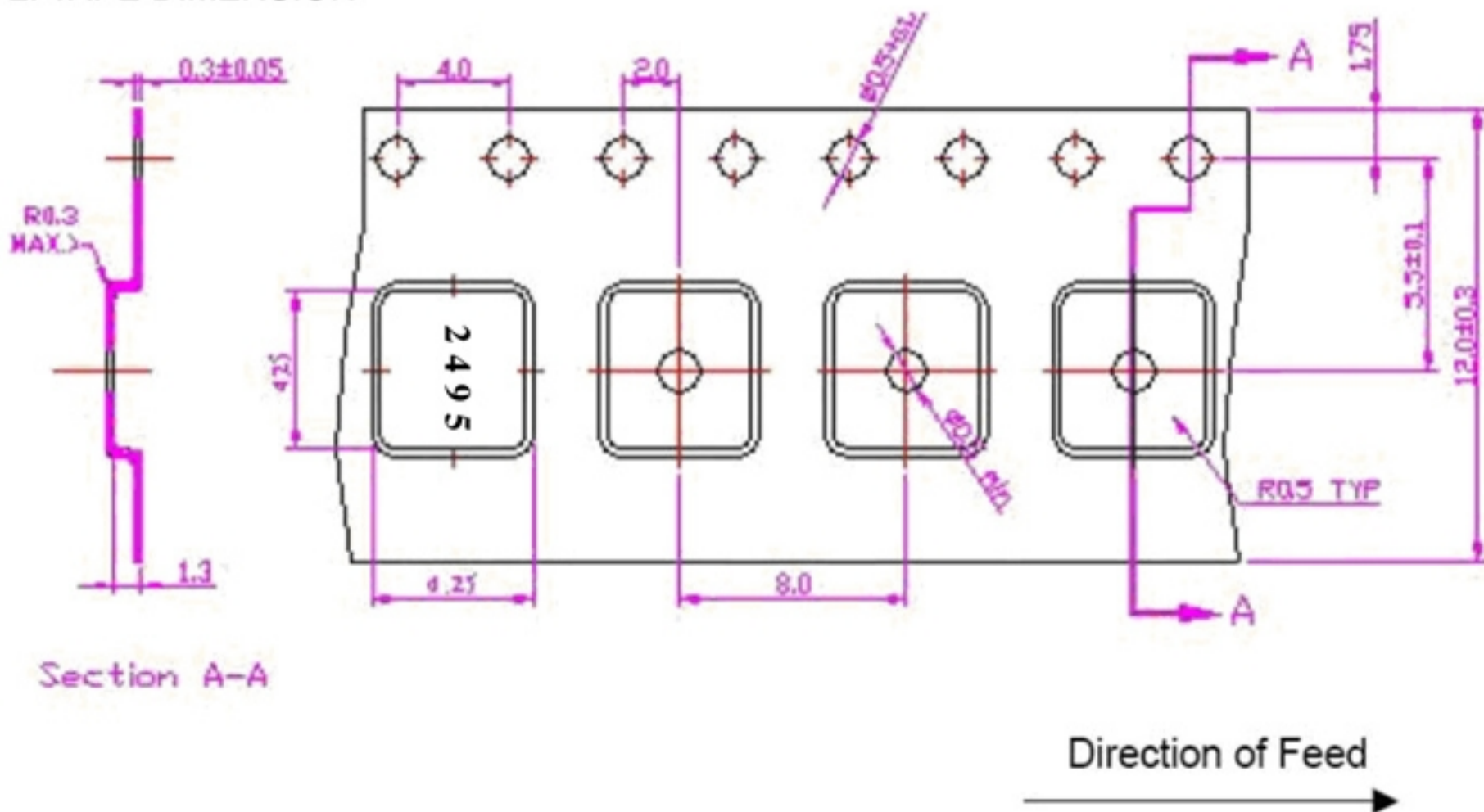
## G. PACKING: (Ref. WI-75M03)

### 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  $150^{\circ}\text{C}$  shall be 30 seconds min.
3. Heating shall be fixed at  $220^{\circ}\text{C}$  for  $50\sim 80$  seconds and at  $260^{\circ}\text{C} +0/-5^{\circ}\text{C}$  peak ( $20\sim 40\text{sec}$ ).
4. Time: 2 times.

