

SAW Filter 480 MHz

MODEL NO.: TA2078A

REV. NO.:3

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
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 (**MSL 1**)

RoHS Compliant
Lead free
Lead-free soldering

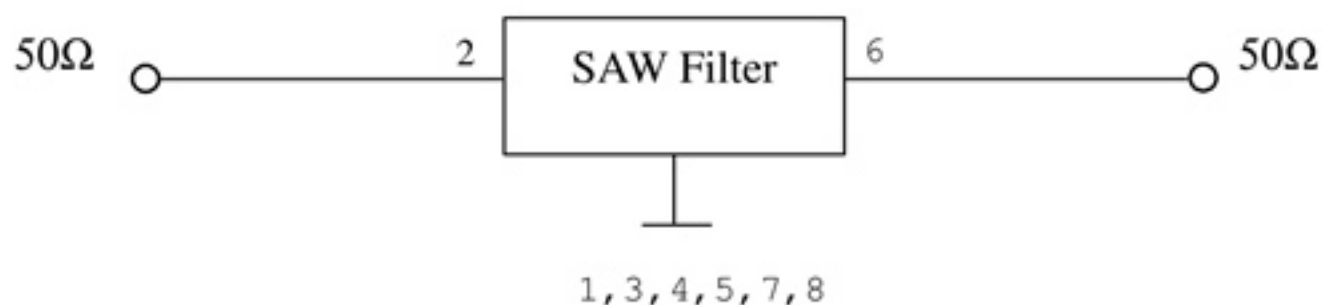
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

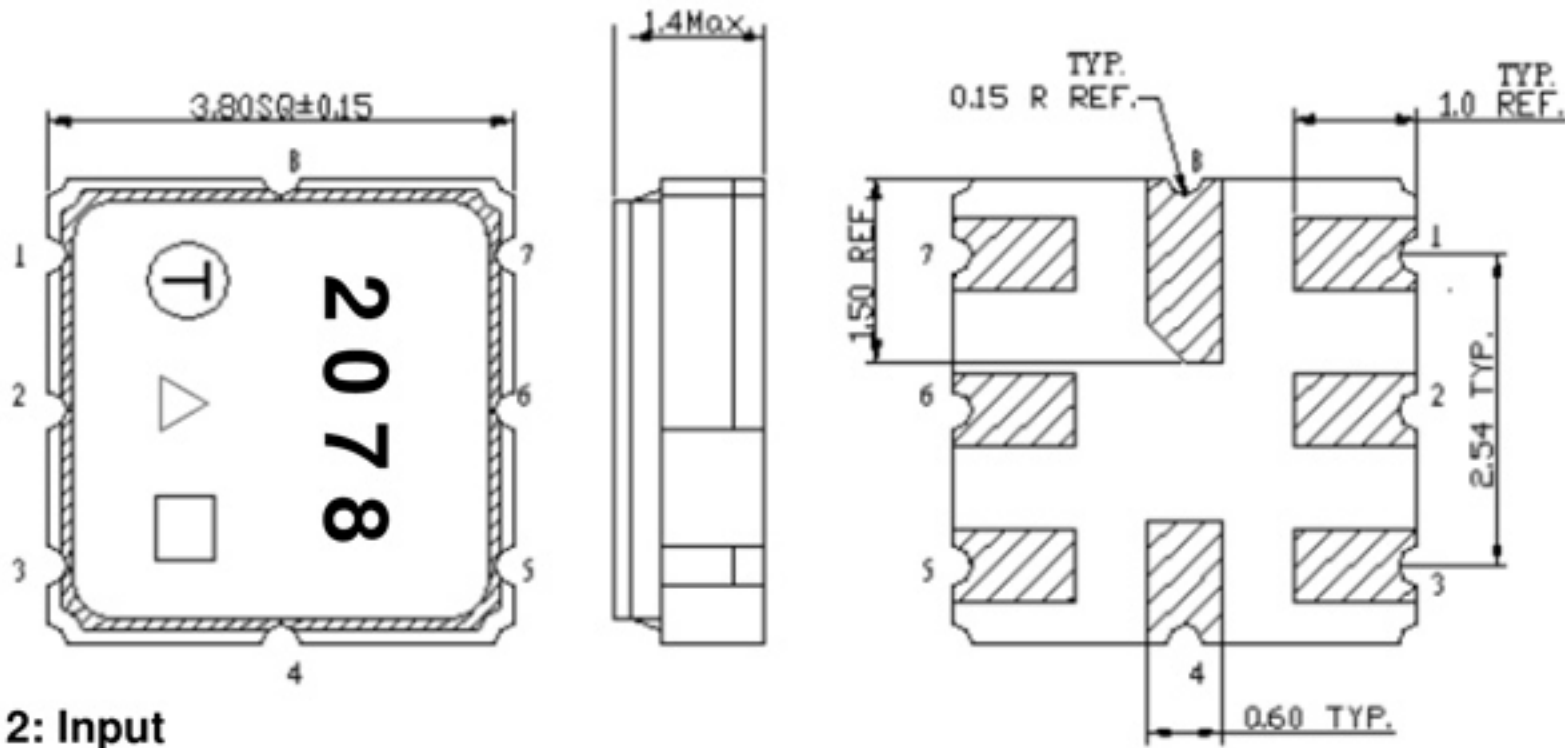
Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	480	-
Insertion Loss (470~490 MHz) IL	dB	-	2.5	3.0
Amplitude Ripple (470~490 MHz)	dB	-	1.5	2.4
Attenuation (Reference level from 0 dB)				
380 ~ 400 MHz	dB	38	45	-
400 ~ 450 MHz	dB	28	33	-
500 ~ 510 MHz	dB	30	39	-
510 ~ 530 MHz	dB	32	40	-
530 ~ 580 MHz	dB	34	42	-
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

Unit: mm

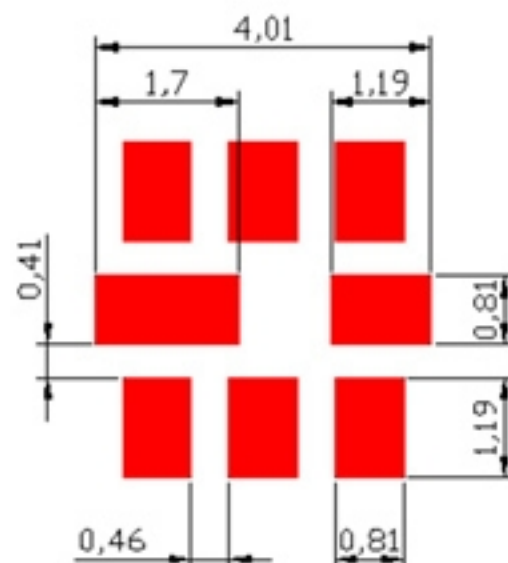
△ Product Year Code

Year	2019	2020
	2021	2022
	2023	2024
	2025	2026
	Product Code	A

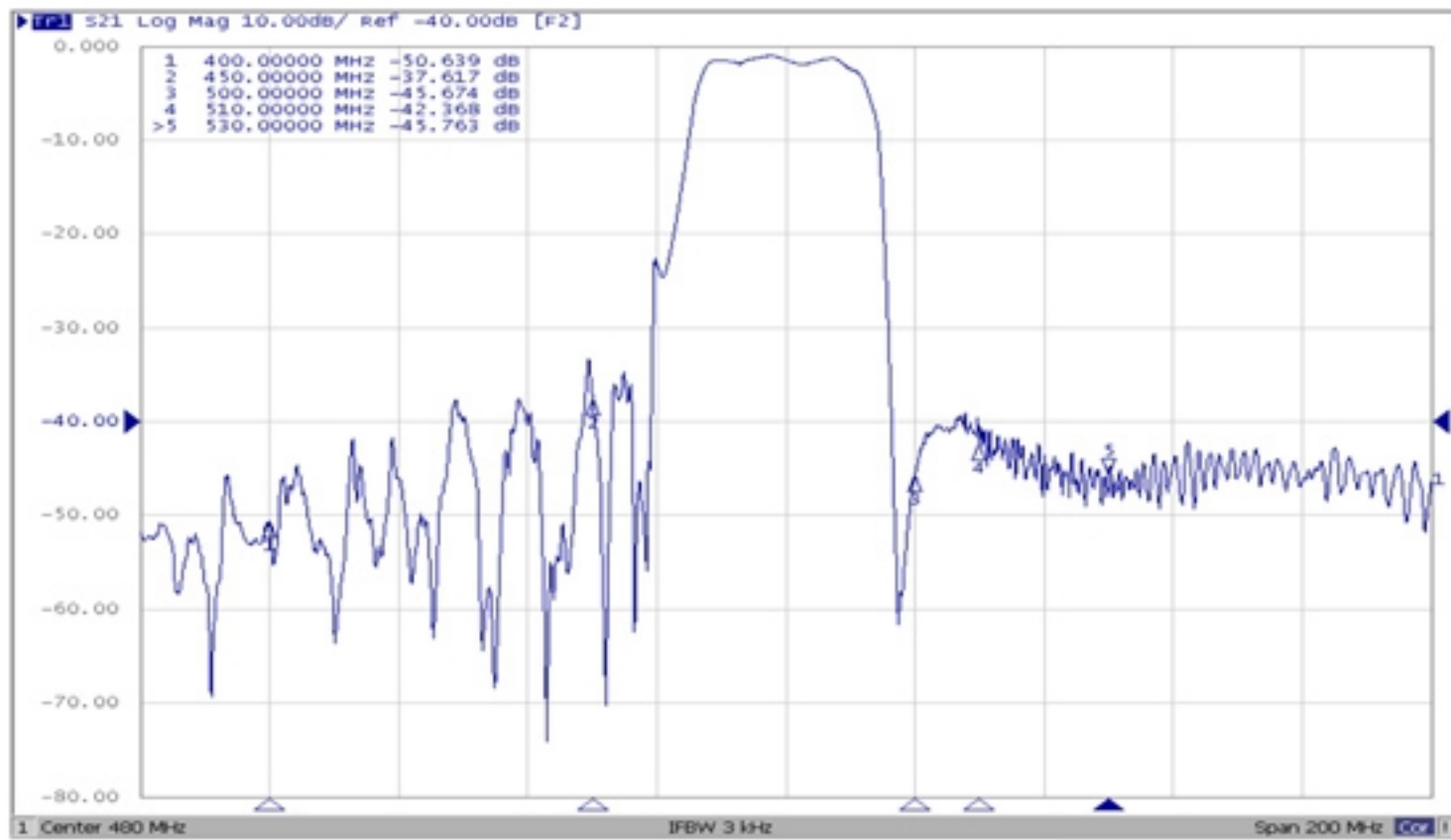
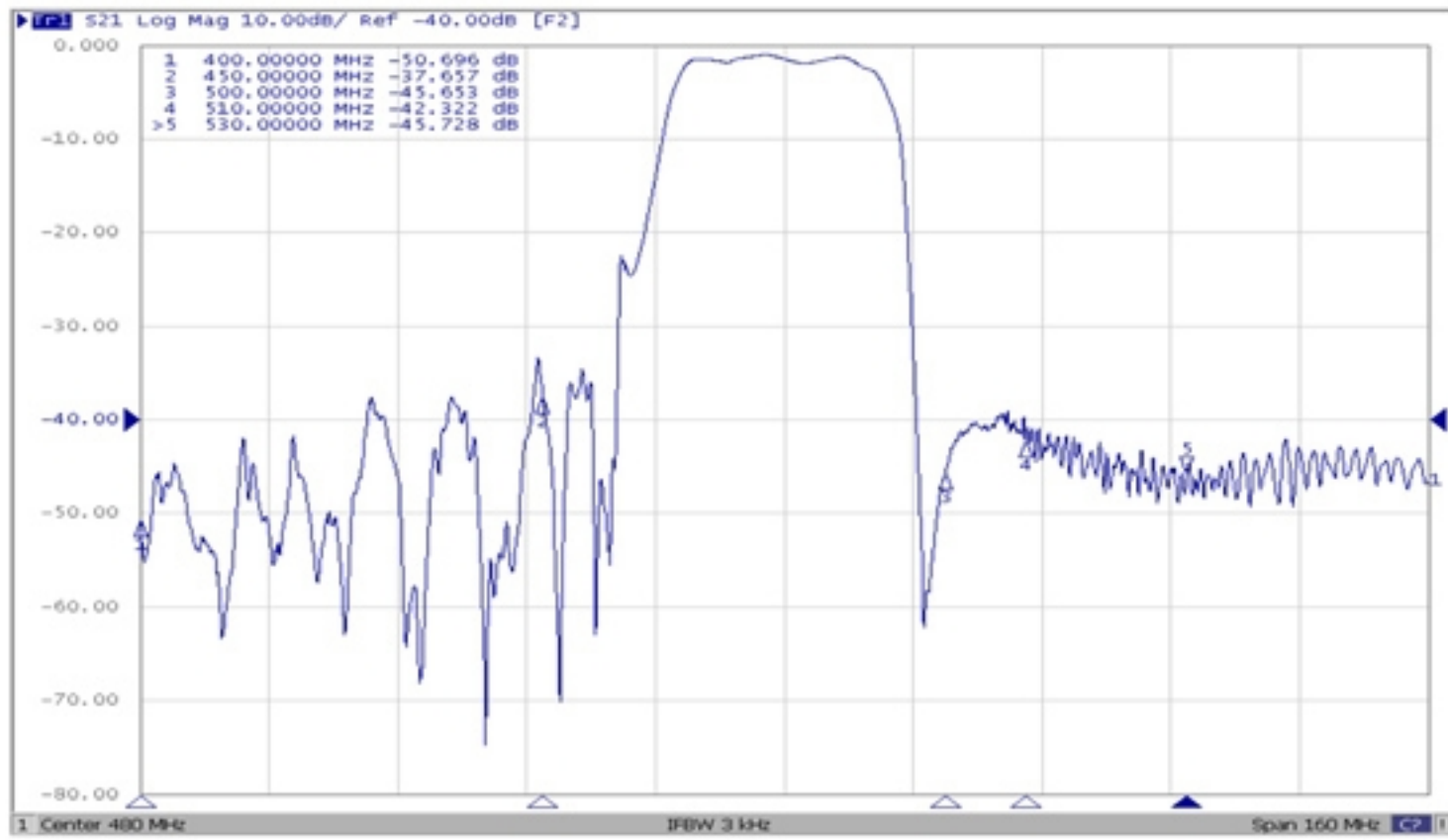
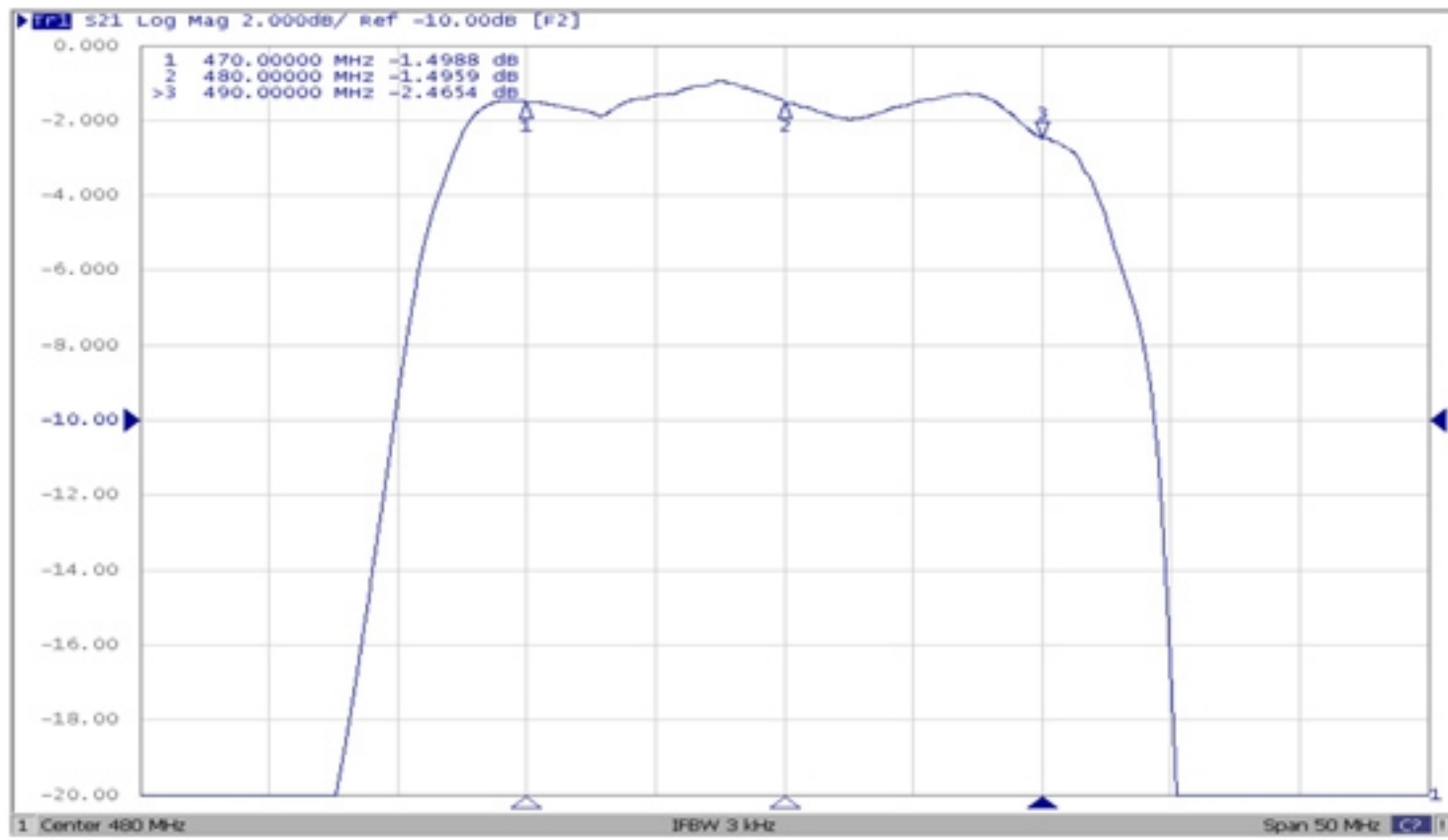
Date Code Table:

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

E. PCB FOOTPRINT:



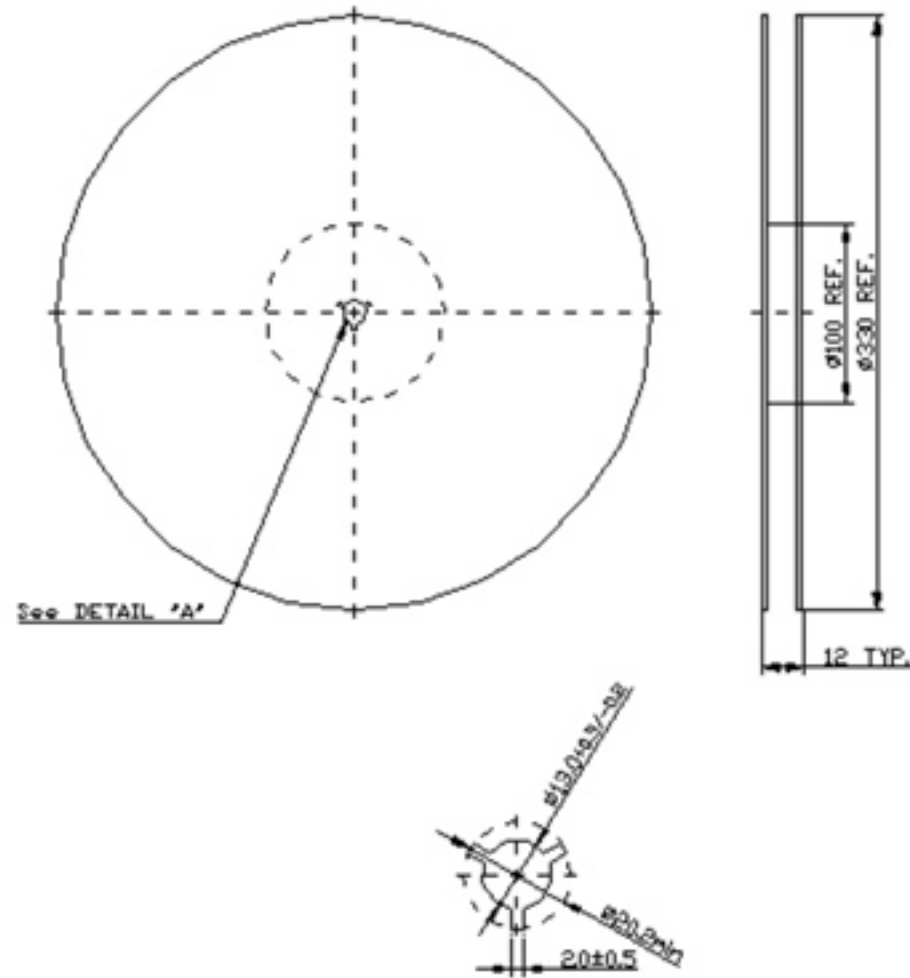
F. FREQUENCY CHARACTERISTICS:



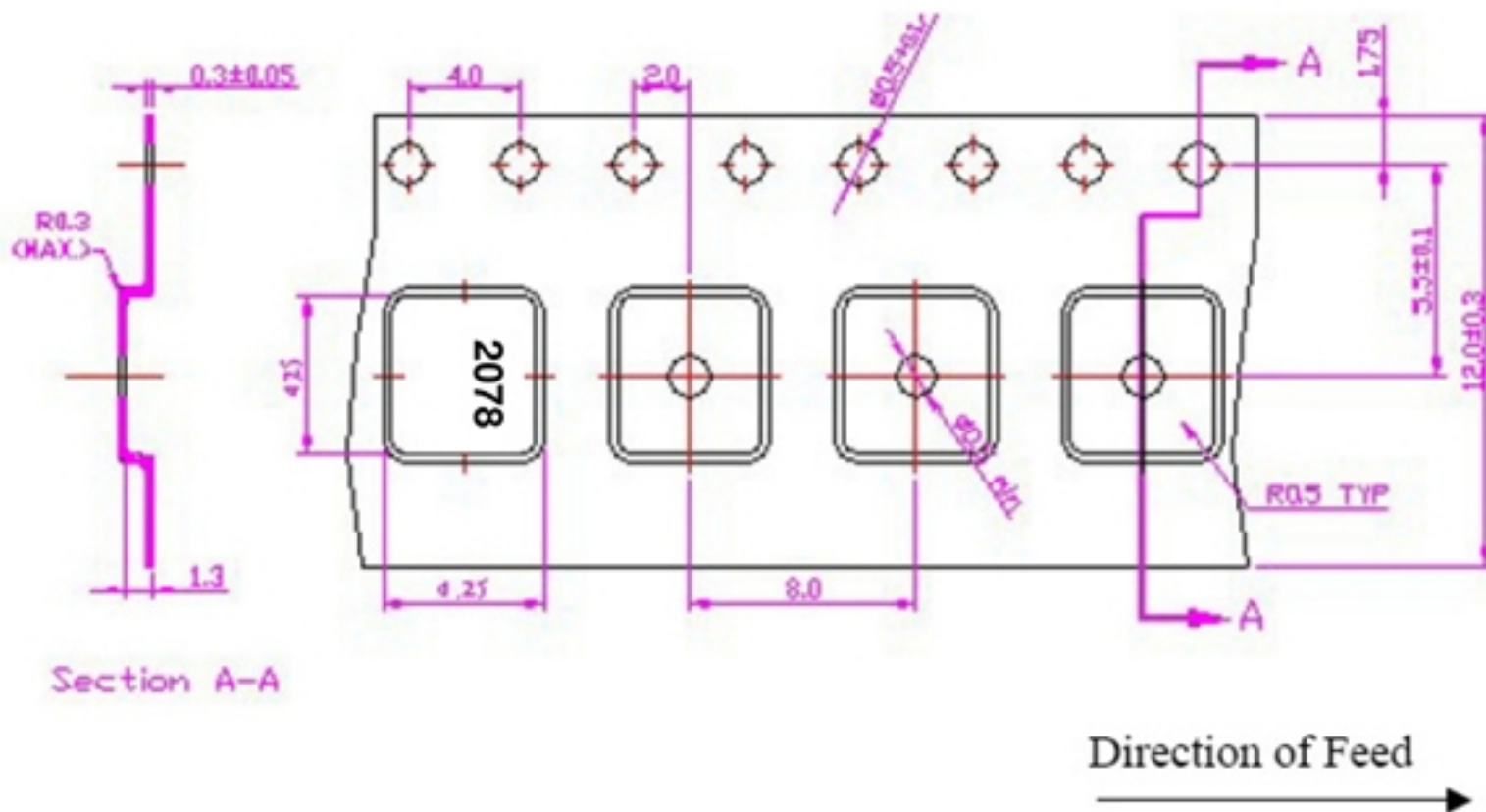
G. PACKING:

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.

