



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Description: SAW Filter 345 MHz 0.8MHz B.W SMD 3.8x3.8 mm

TST Part No.: TA1717A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Michael Yang *Michael*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2021/12/14

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 345 MHz

MODEL NO.:TA1717A

REV. 6.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3 V
3. Operating Temperature: -40°C to +125°C
4. Storage Temperature: -40°C to +125°C
5. Moisture Sensitive Level (MSL): Level 1



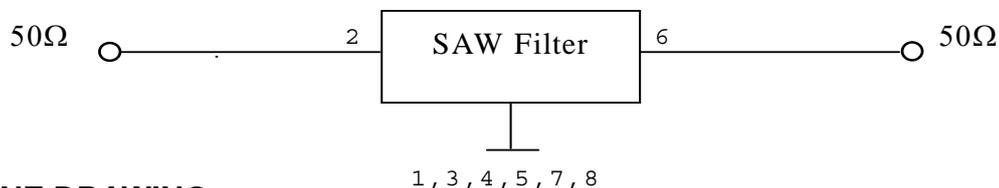
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

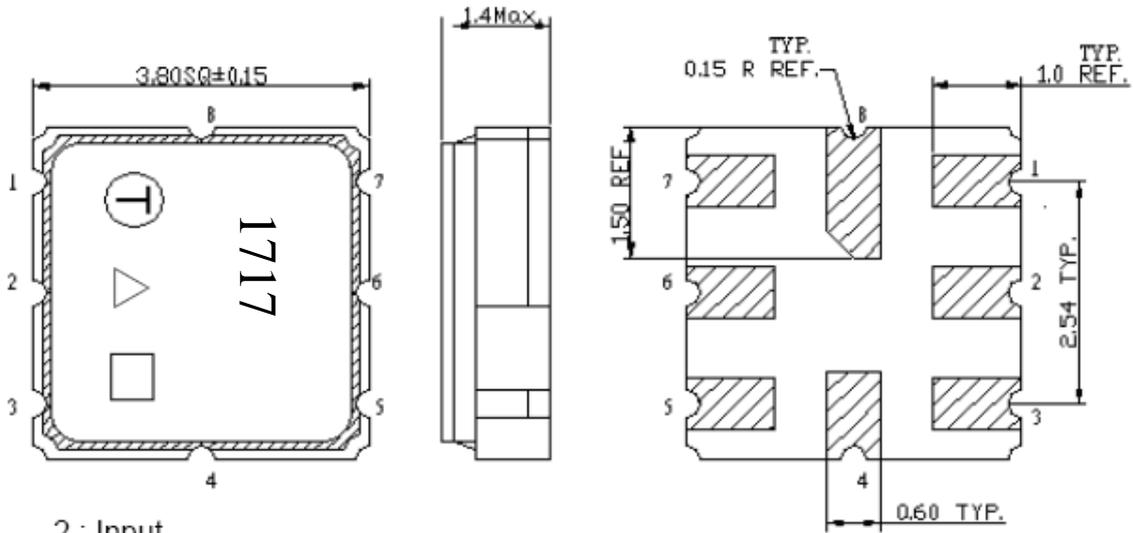
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	345	-
Insertion Loss (344.6~345.4 MHz) IL	dB	-	2.3	3.3
Amplitude ripple (344.6~345.4 MHz)	dB	-	0.4	1.3
Attenuation (Reference level from 0)				
10 ~ 320 MHz	dB	50	60	-
320 ~ 325 MHz	dB	50	55	
325 ~ 337 MHz	dB	40	45	
337 ~ 339 MHz	dB	40	45	
351 ~ 358 MHz	dB	13	20	
358 ~ 370 MHz	dB	35	40	-
370 ~ 700 MHz	dB	42	47	-
700 ~ 1000 MHz	dB	40	45	-
Temperature Coefficient of Frequency	Ppm/°C	-	-30	-

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)

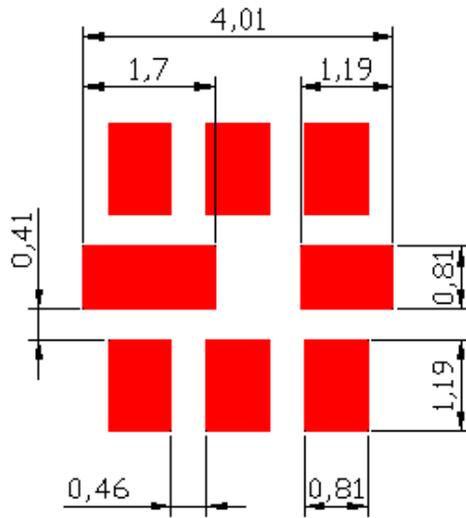
△ Product Year Code

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

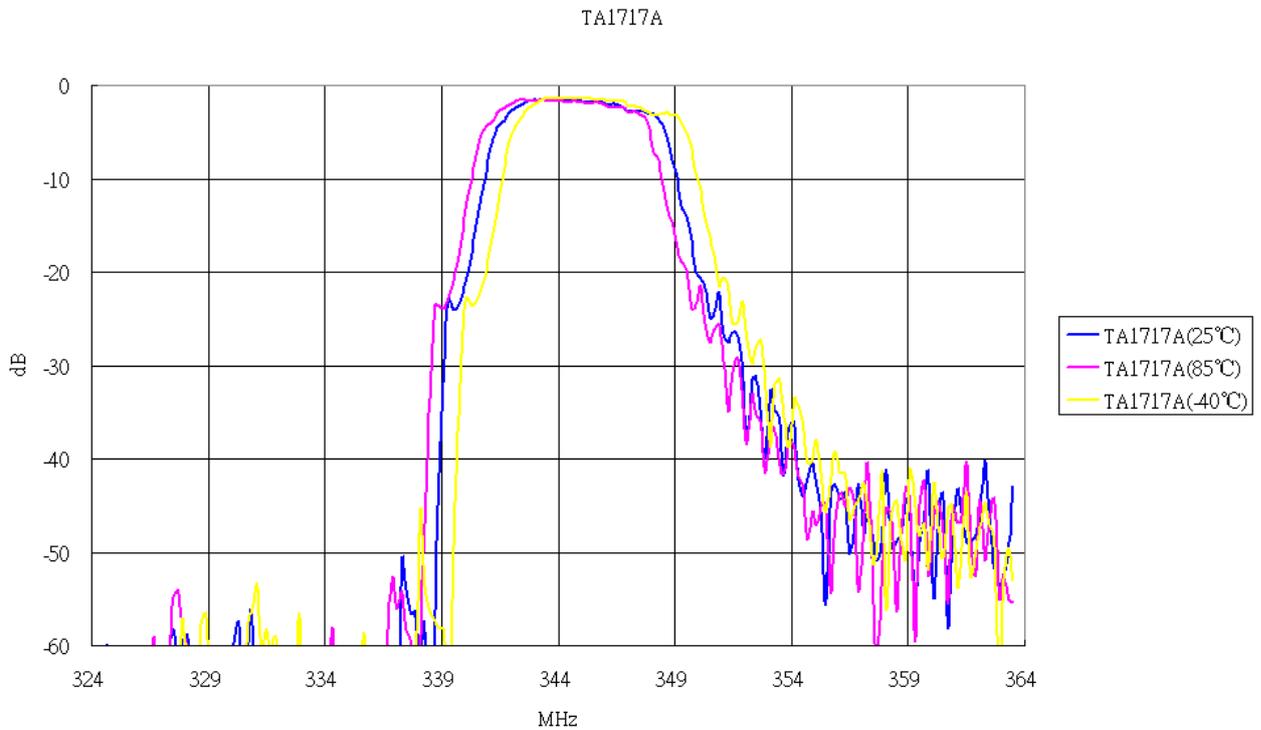
Date Code Table:

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

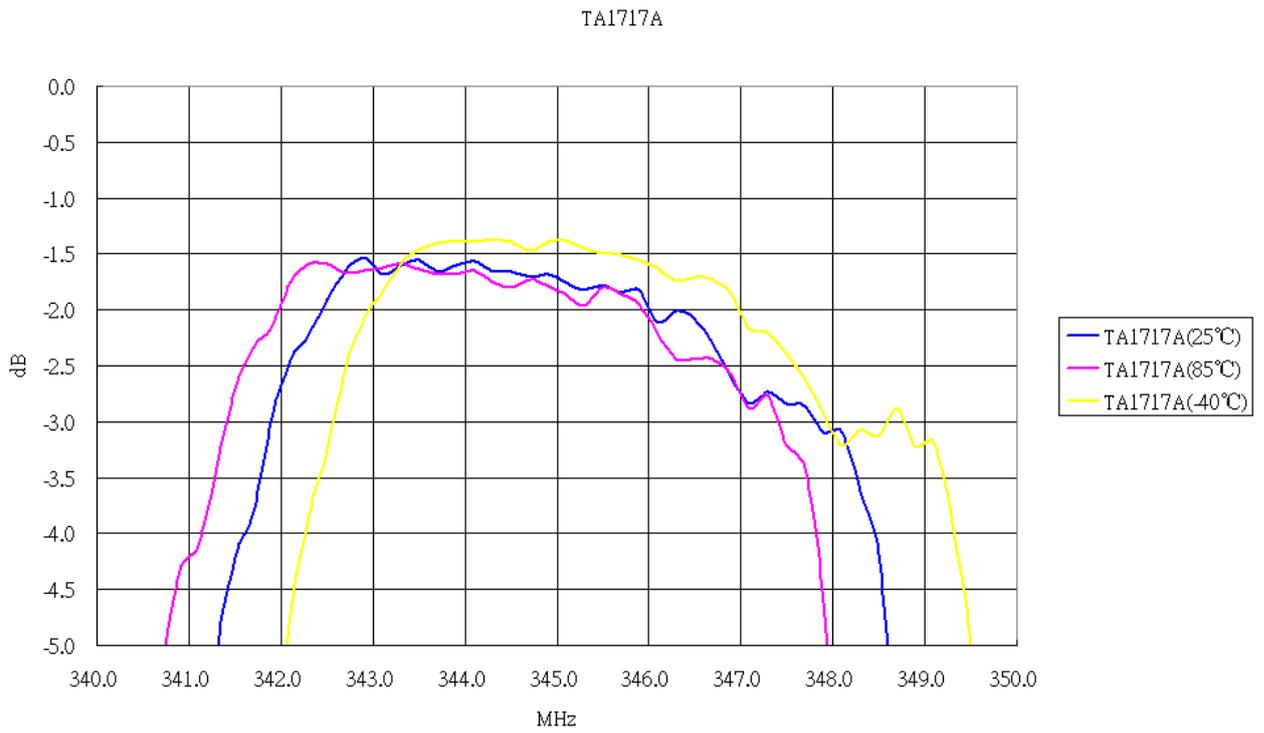
E. PCB Footprint:



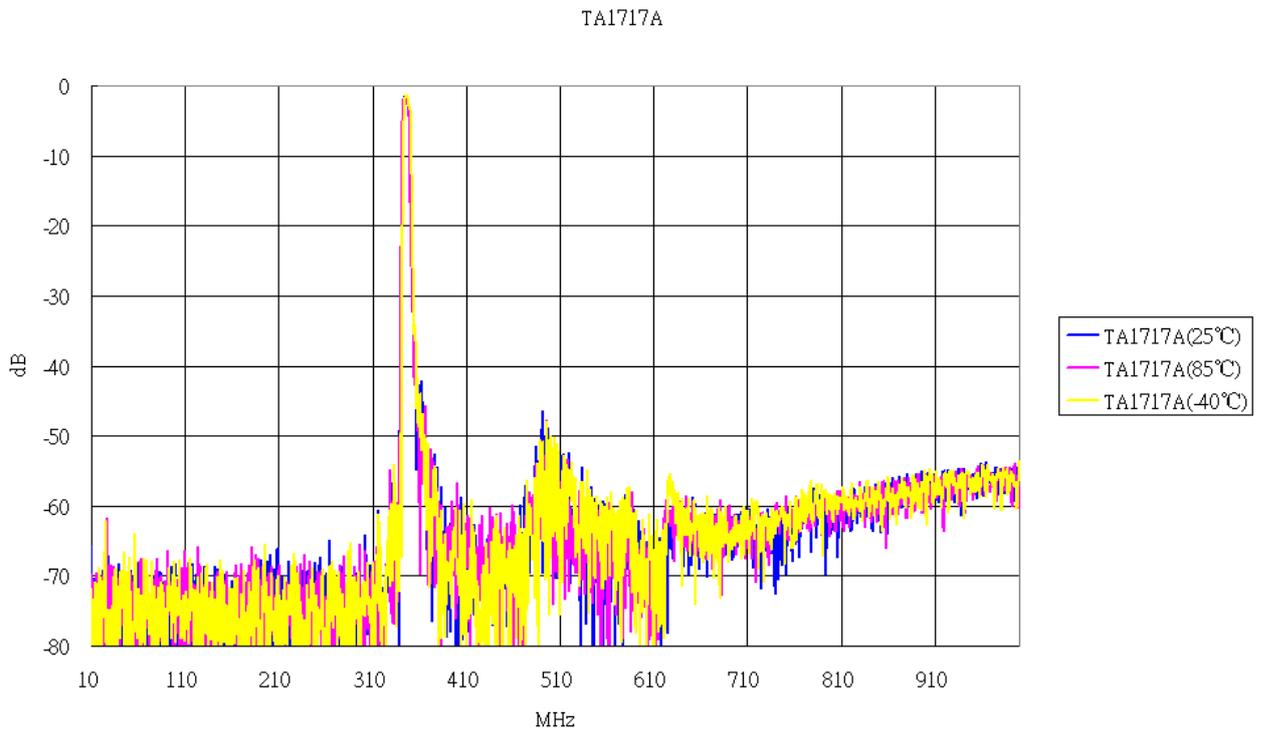
F. Frequency Characteristics:
1、S21 Measurement : Span 40MHz



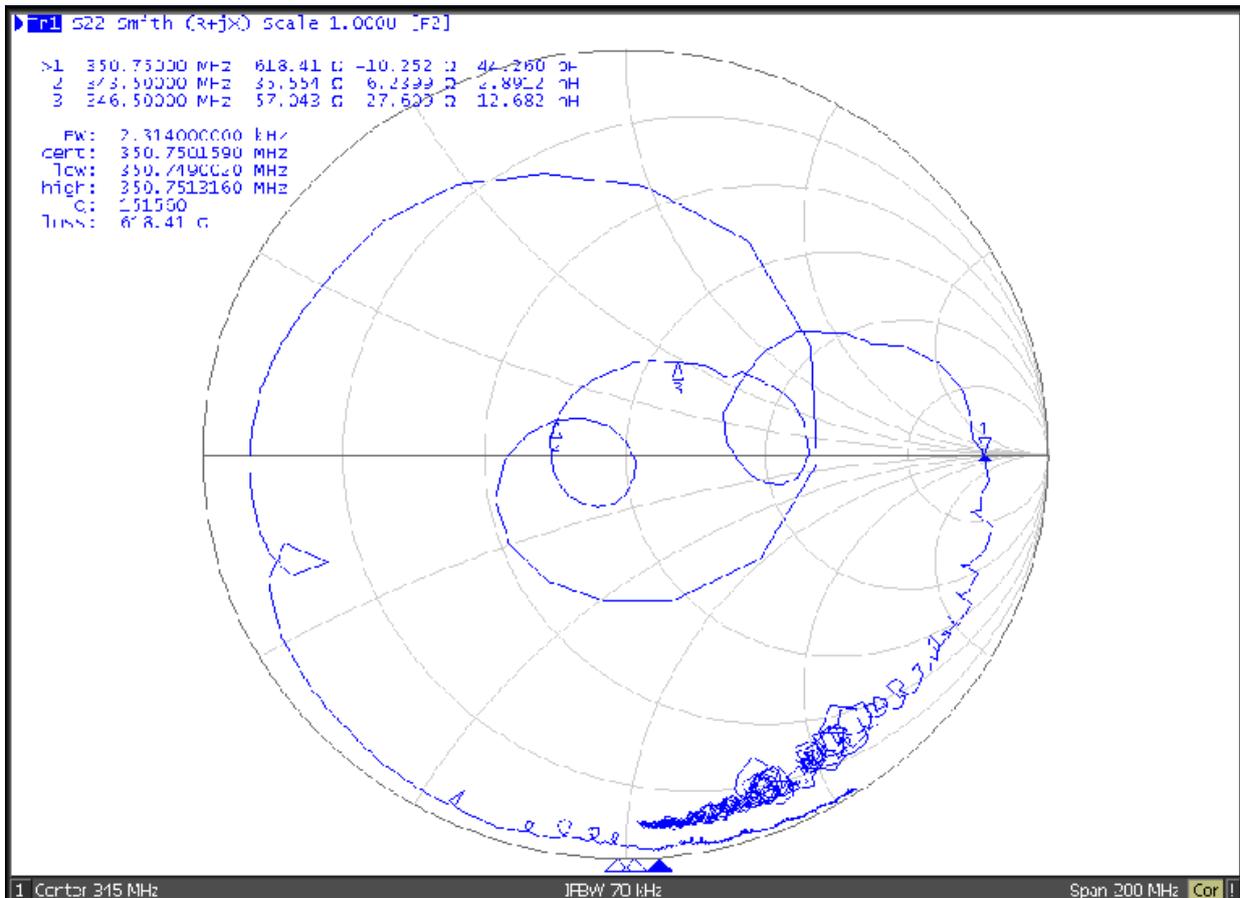
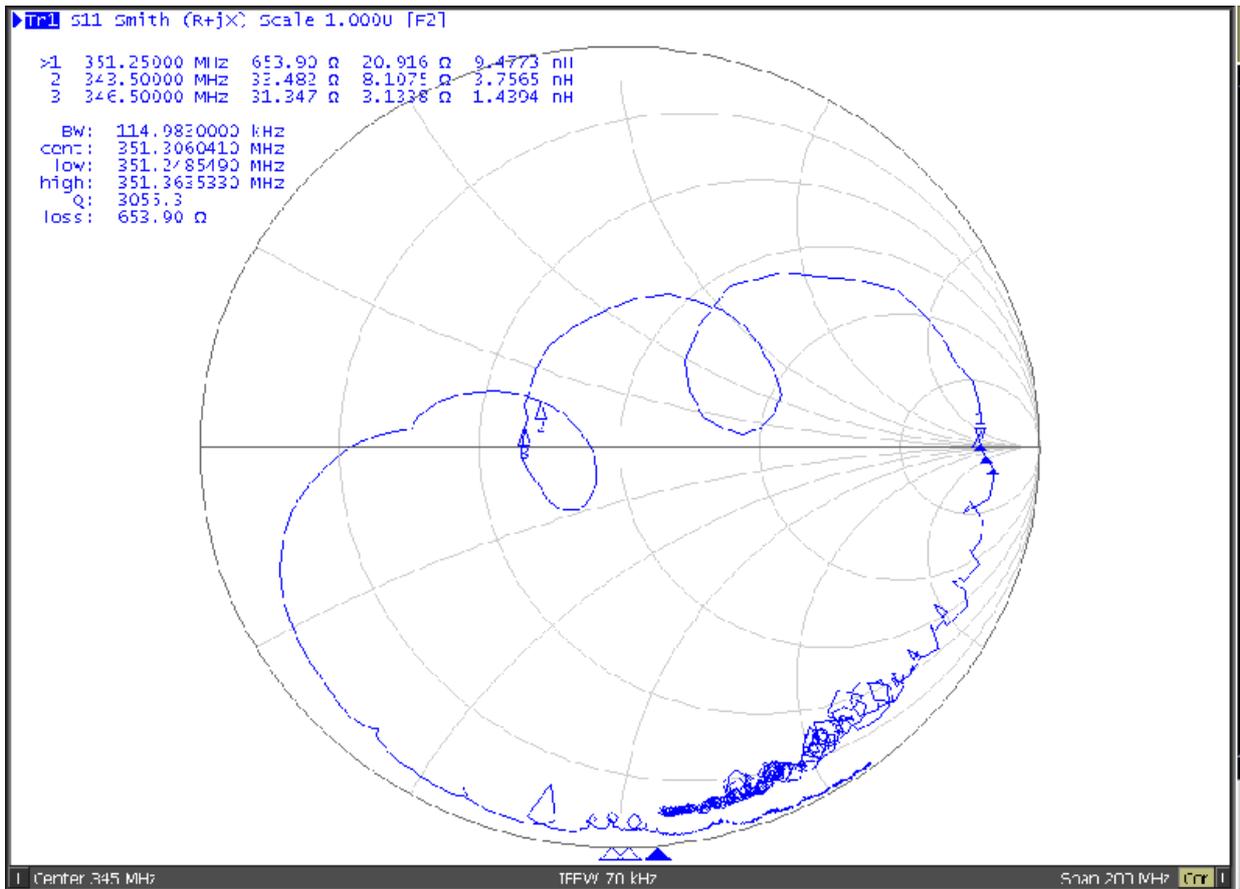
S21 Measurement : Span 10MHz



S21 Measurement : Span 1000MHz



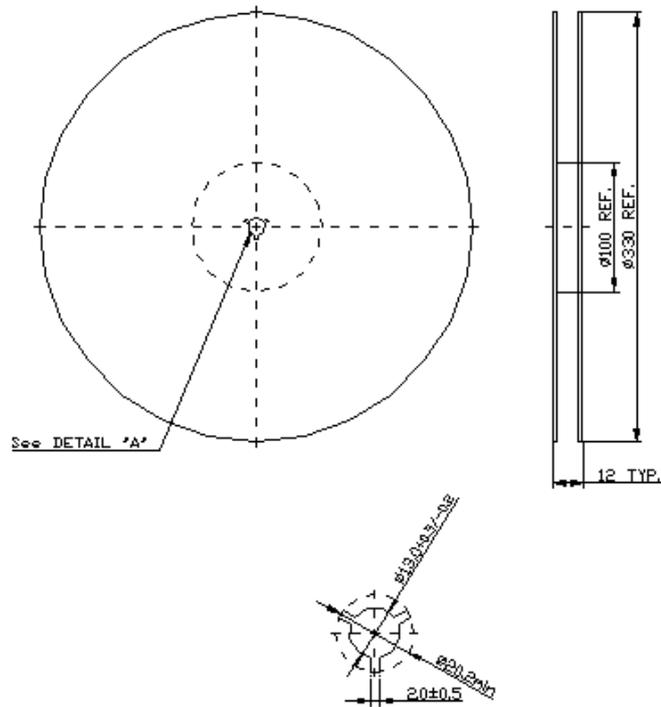
2、S11/S22 Measurement :



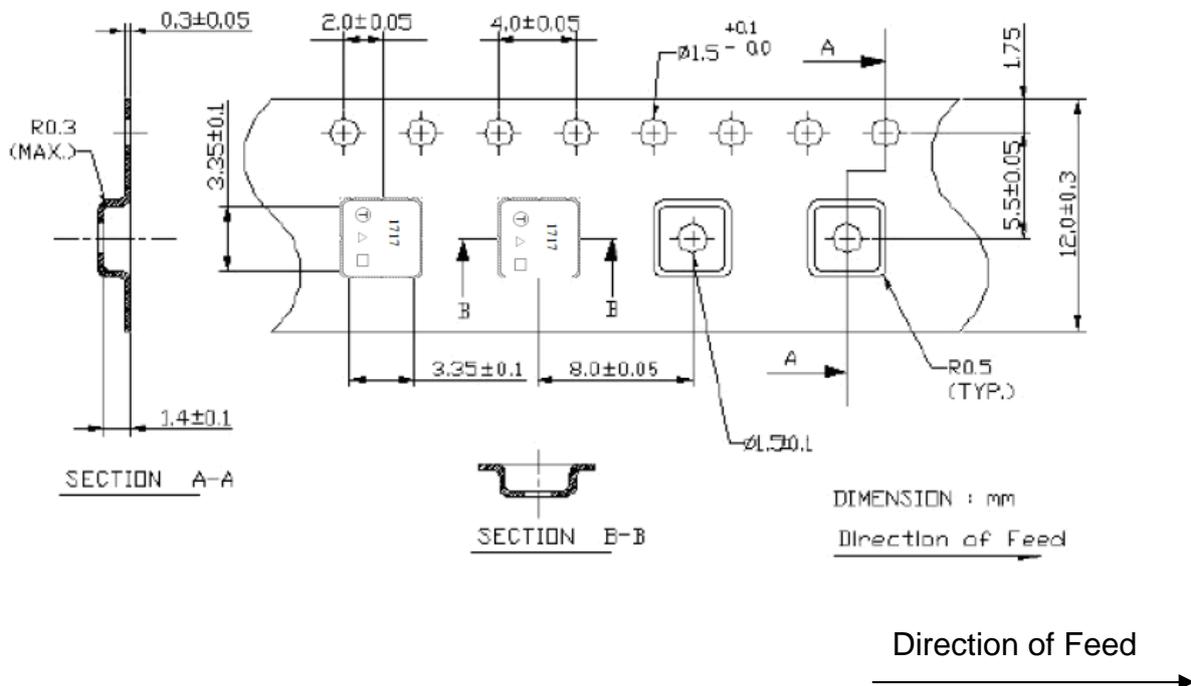
G. PACKING:

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 60~90 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.

