



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 2595 MHz Band 41 TRX SMD 1.1x0.9 mm (BW=120 MHz)

TST Part No.: TA2124A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang *David*

Approved by: _____ Andy Yu *Andy Yu*

Date: _____ 2020/01/06

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 2595 MHz Band 41 TRX SMD 1.1x0.9 mm

MODEL NO.:TA2124A

REV. NO.:3

A. MAXIMUM RATING:

1. Maximum Input Power: 29 dBm
2. Maximum DC Voltage: 3 V
3. Operating temperature range: -30 °C to +85 °C
4. Storage temperature range: -40 °C to +85 °C
5. Moisture Sensitivity Level: Level 3(MSL3)

RoHS Compliant

Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

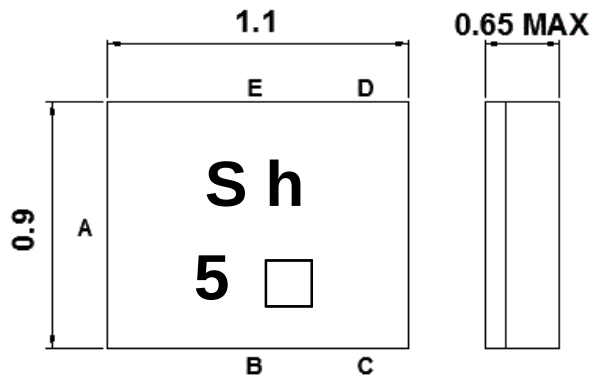
Terminating source impedance: $Z_s = 50//3.1nH \Omega$ (Single-ended)

Terminating load impedance: $Z_L = 50//3.1nH \Omega$ (Single-ended)

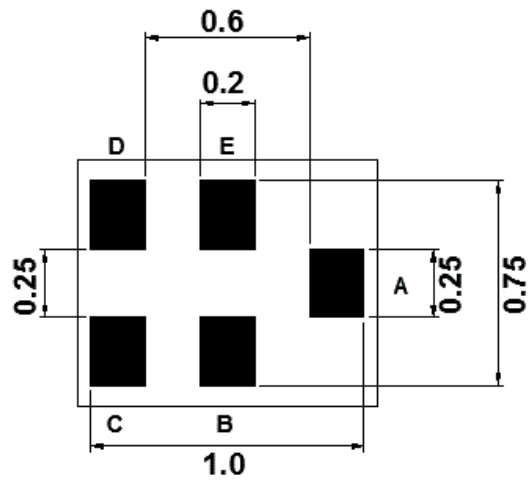
Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	2595	-
Insertion Loss (2535 ~ 2655 MHz) IL	dB	-	1.6	2.8
Amplitude Ripple (2535 ~ 2655 MHz)	dB _{p-p}	-	0.5	2.0
VSWR (2535 ~ 2655 MHz)	-	-	2.1	2.5
Attenuation (reference level from 0 dB)				
2110 ~ 2170 MHz	dB	20	23	-
2401 ~ 2468 MHz	dB	23	26	-
2451 ~ 2473 MHz	dB	25	30	-
2456 ~ 2478 MHz	dB	25	30	-
2461 ~ 2483 MHz	dB	25	29	-
2775 ~ 4992 MHz	dB	18	22	-

C. OUTLINE DRAWING:

top view



bottom view



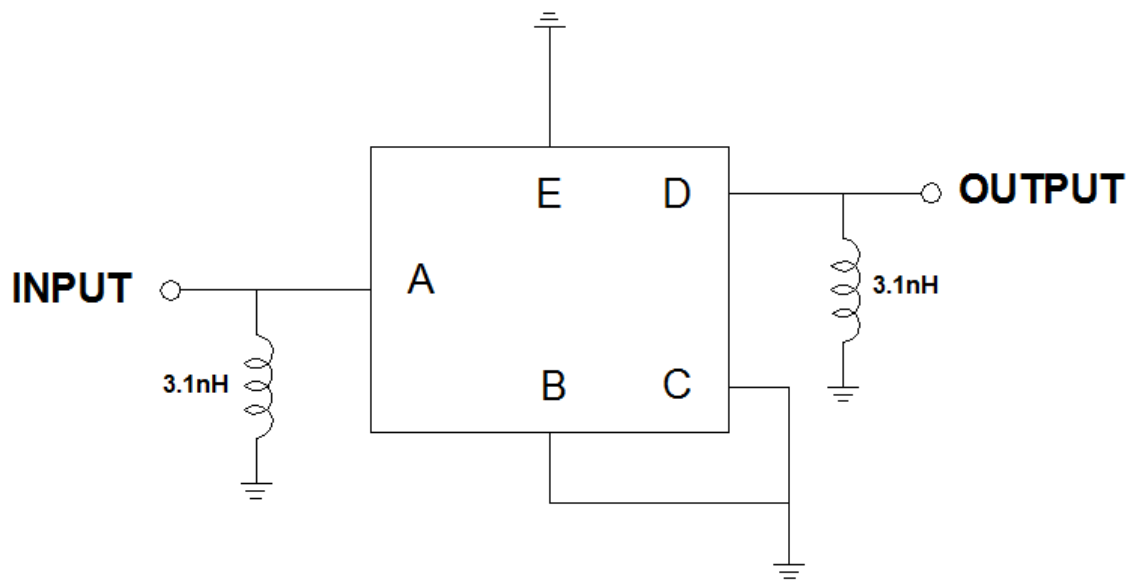
Pin Description	
B, C, E	Ground
A	Input
D	Output

Marking Descriptions	
	Date Code(Year+Month)

: Year/Month Code (Follow the table)

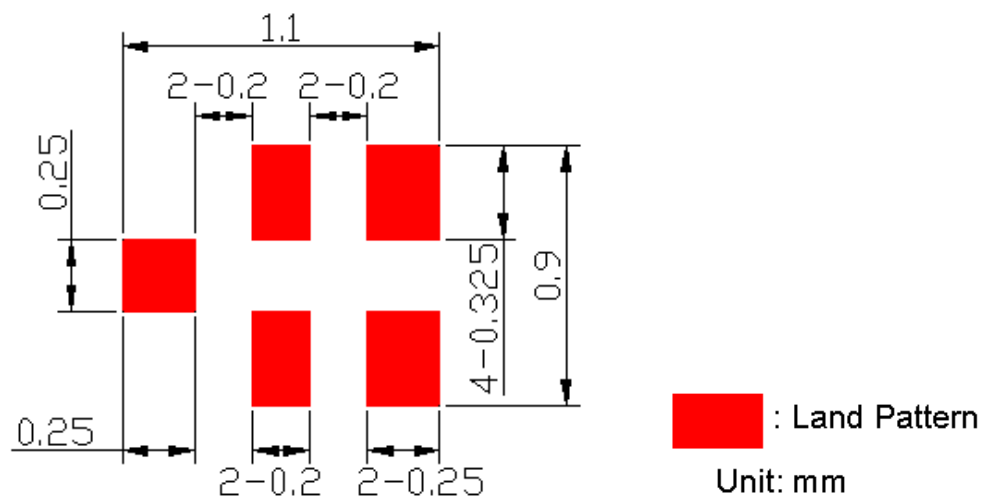
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2020	<u>n</u>	<u>p</u>	<u>q</u>	<u>r</u>	<u>s</u>	<u>t</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>x</u>	<u>y</u>	<u>z</u>
2021	A	B	C	D	E	F	G	H	J	K	L	M
2022	N	P	Q	R	S	T	U	V	W	X	Y	Z
2023	a	b	c	d	e	f	g	h	j	k	l	m
2024	n	p	q	r	s	t	u	v	w	x	y	z
2025	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2026	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
2027	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>	<u>g</u>	<u>h</u>	<u>i</u>	<u>k</u>	<u>l</u>	<u>m</u>
2028	<u>n</u>	<u>p</u>	<u>q</u>	<u>r</u>	<u>s</u>	<u>t</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>x</u>	<u>y</u>	<u>z</u>

D. MEASUREMENT CIRCUIT:

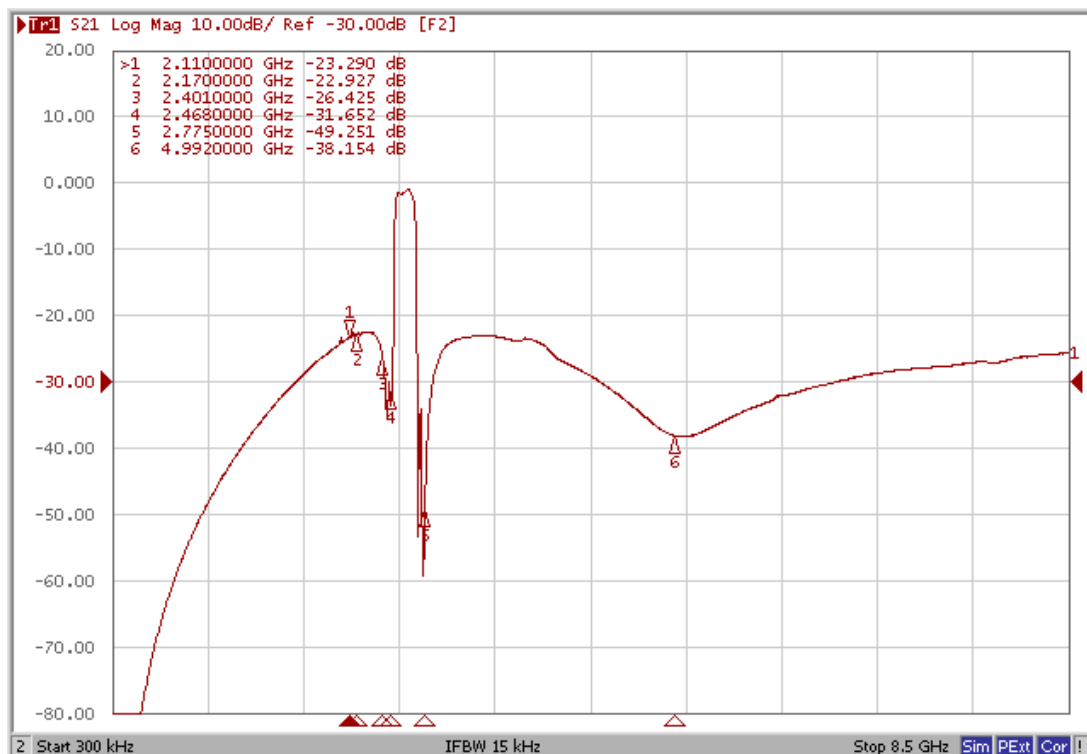
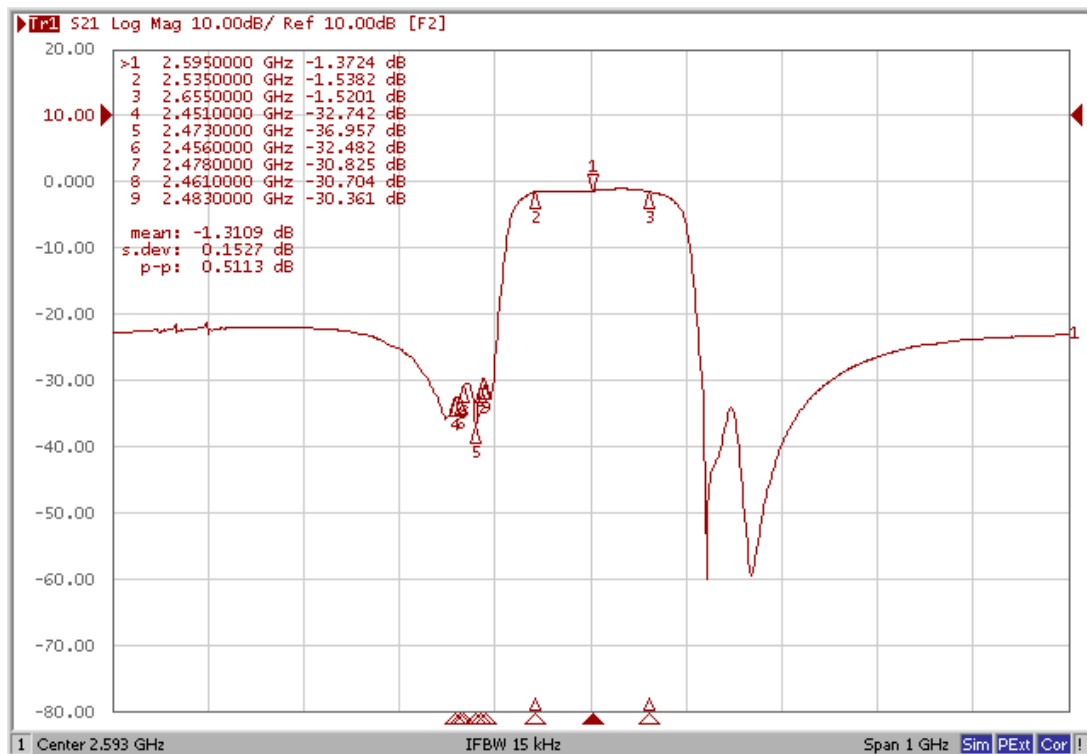


Source & Load Impedance: 50 Ω

E. PCB Footprint :

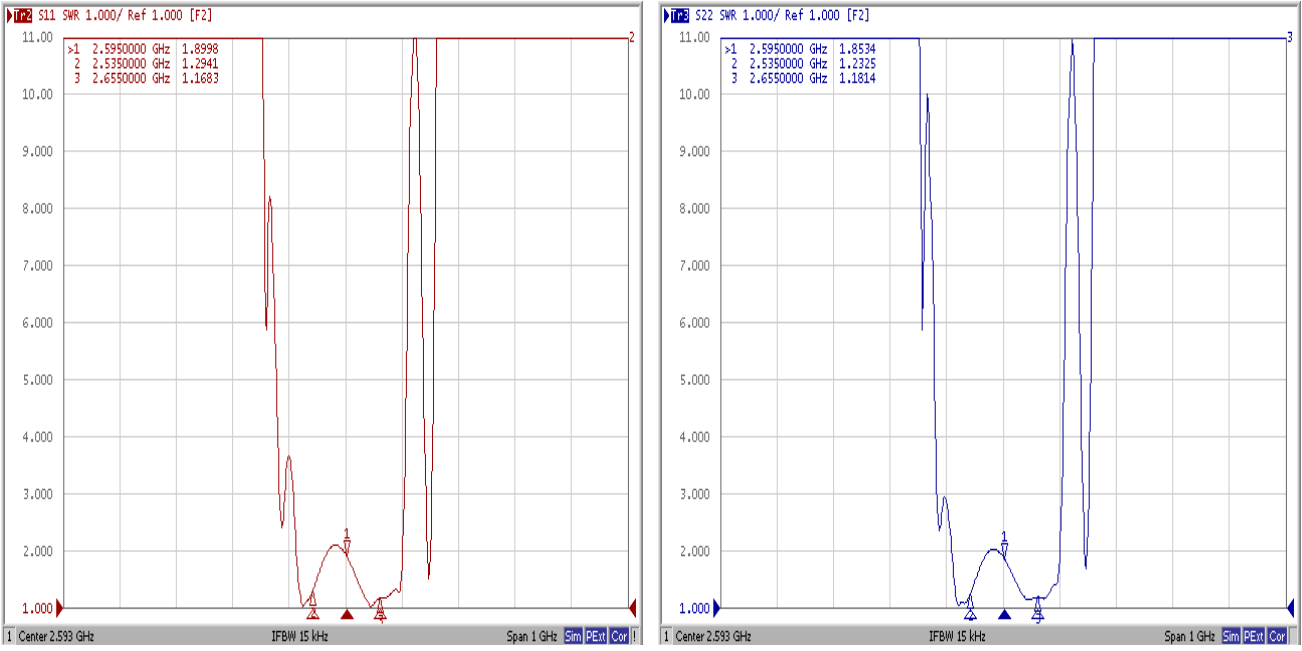


F. Frequency Characteristics:

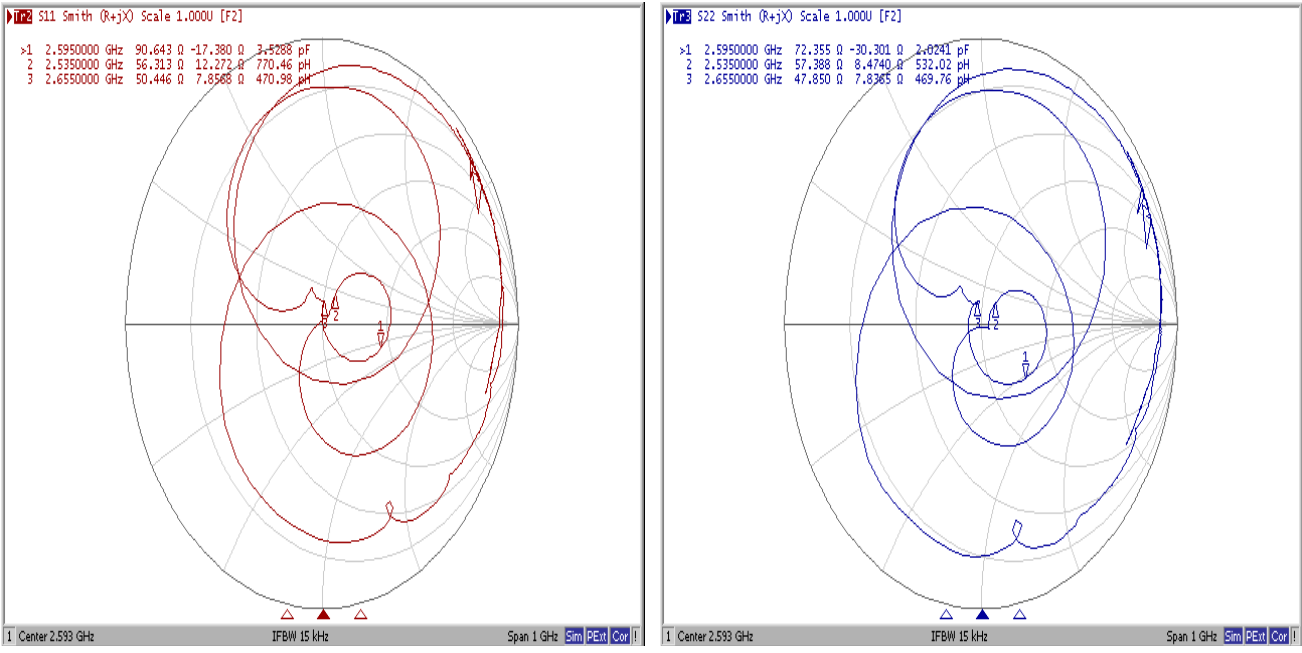


Reflection Functions:

VSWR



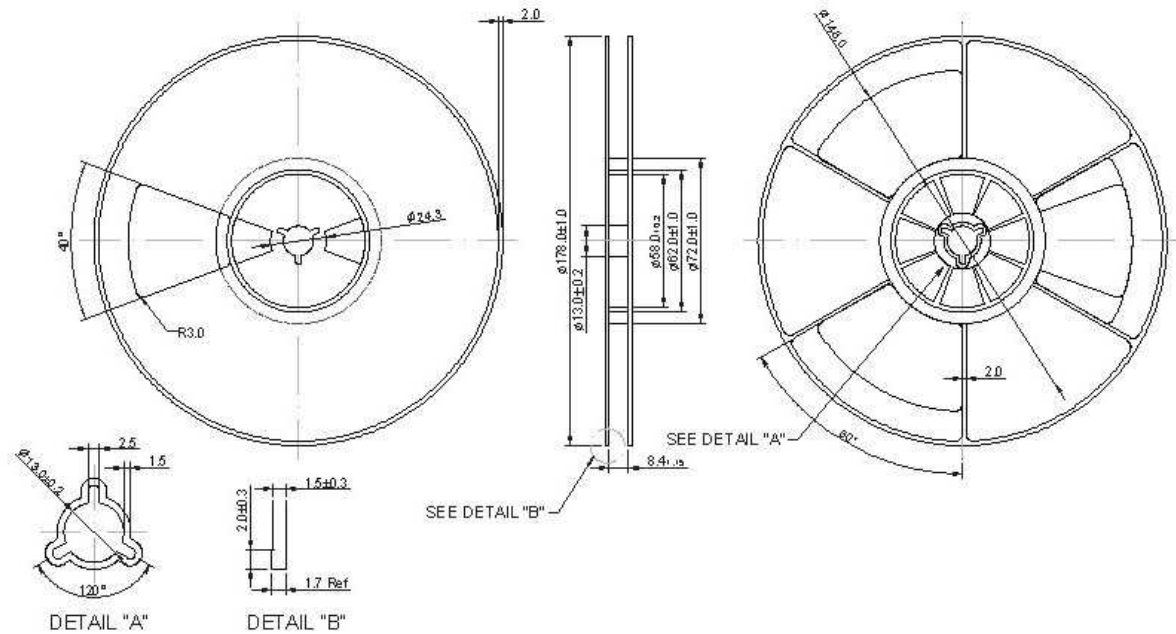
Smith Chart



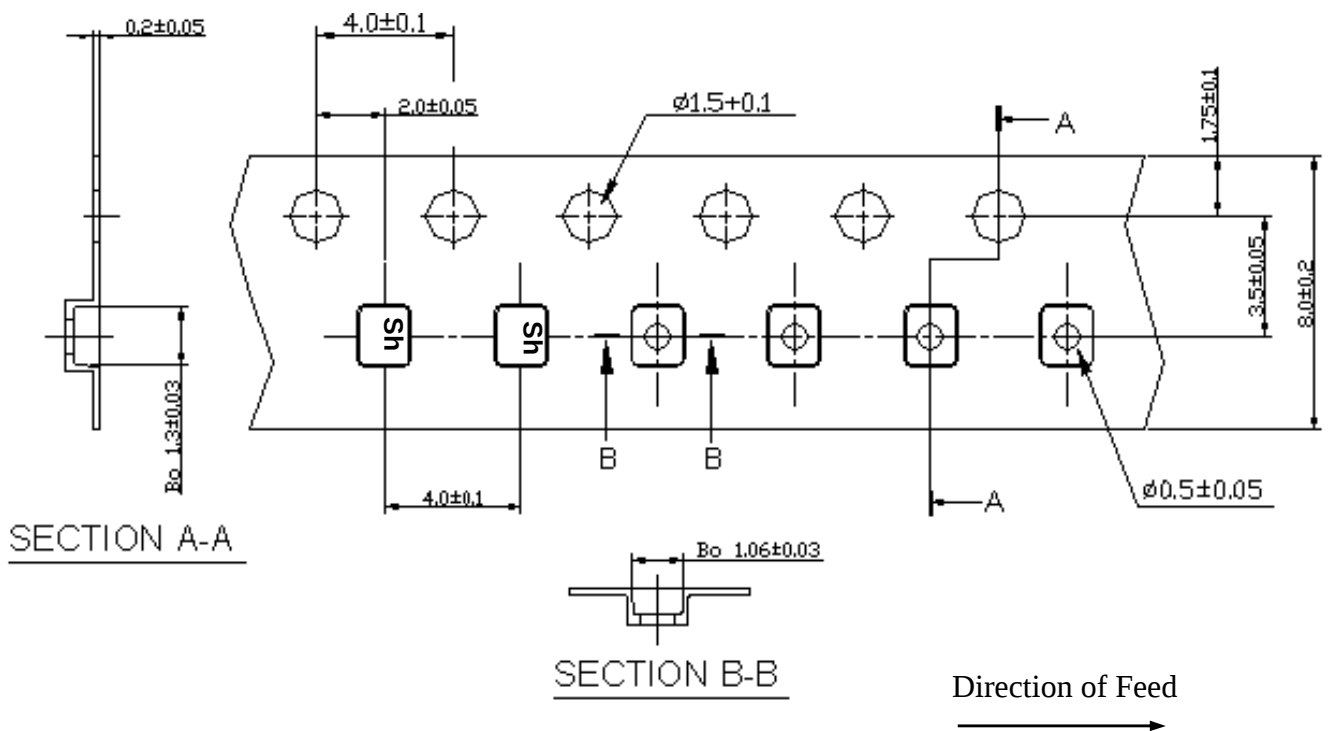
G. PACKING: (Ref. WI-75M03)

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°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 245~260°C peak (min. 10sec).
4. Time: 2 times.

