



TAI-SAW TECHNOLOGY CO., LTD.

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

TEL: 886-3-4690038 FAX: 886-3-4697532

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Product Specifications Approval Sheet

Product Description : SAW Filter 806 MHz 30MHz BW SMD 1.4X1.1 mm

TST Part No.: TA1655A

Customer Part No.: _____

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

Checked by: _____ Andy Yu *Andy Yu*

Approved by: _____ Bob Chau *Bob Chau*

Date: _____ 2014, 02, 05

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 806 MHz 30MHz BW SMD 1.4X1.1 mm

MODEL NO.:TA1655A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +105°C
4. Storage Temperature: -40°C to +105°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

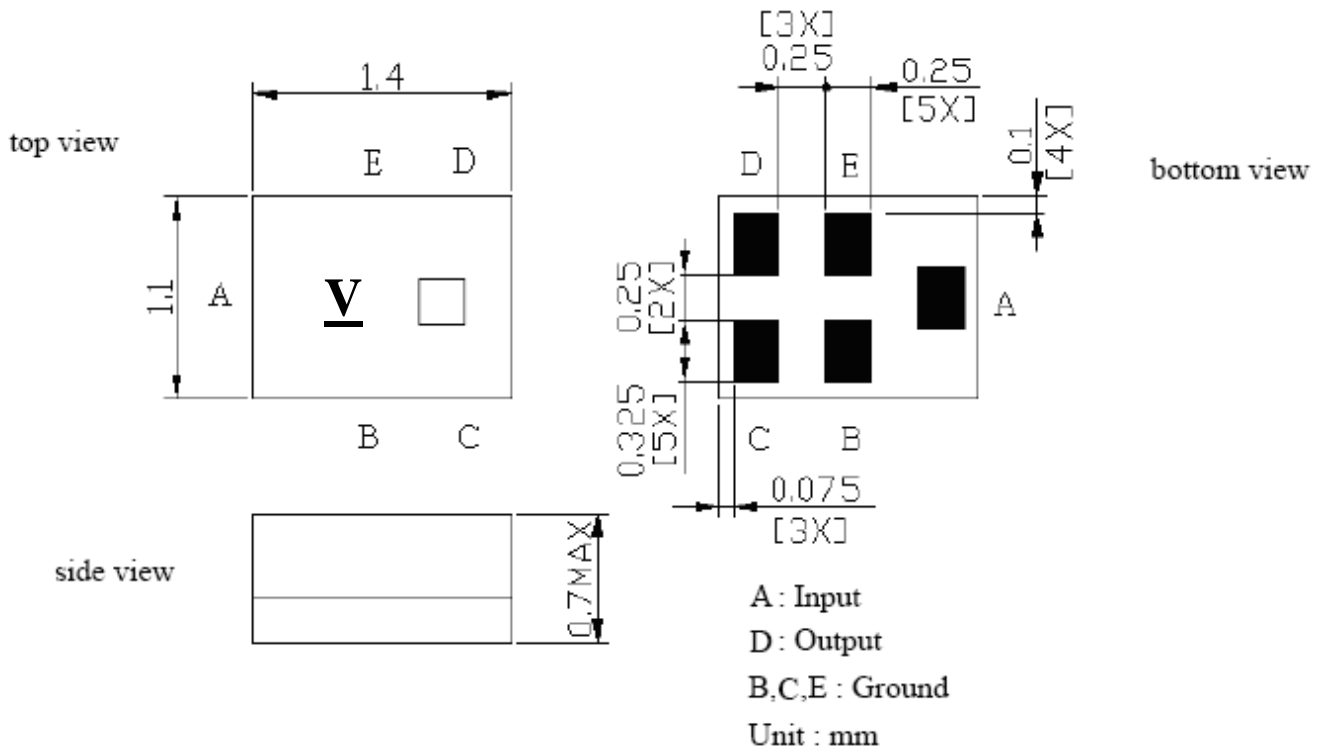
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = 50 \Omega$

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	806	-	-
Insertion Loss (791~821 MHz) IL	dB	-	2.9	5.0	-
Amplitude ripple (791~821 MHz)	dB	-	0.9	3.0	-
Return Loss (791~821 MHz) IL	dB	-	12	-	-
Attenuation					
832~ 862 MHz	dB	-	20	-	-
880 ~ 915 MHz	dB	35	48	-	-
925 ~ 960 MHz	dB	35	50	-	-
1710 ~ 1785 MHz	dB	35	43	-	-
1805 ~ 1880 MHz	dB	35	43	-	-
1920 ~ 1980 MHz	dB	35	42	-	-
2110 ~ 2170 MHz	dB	35	41	-	-
Package size	mm	SMD 1.4x1.1			

C.OUTLINE DRAWING:



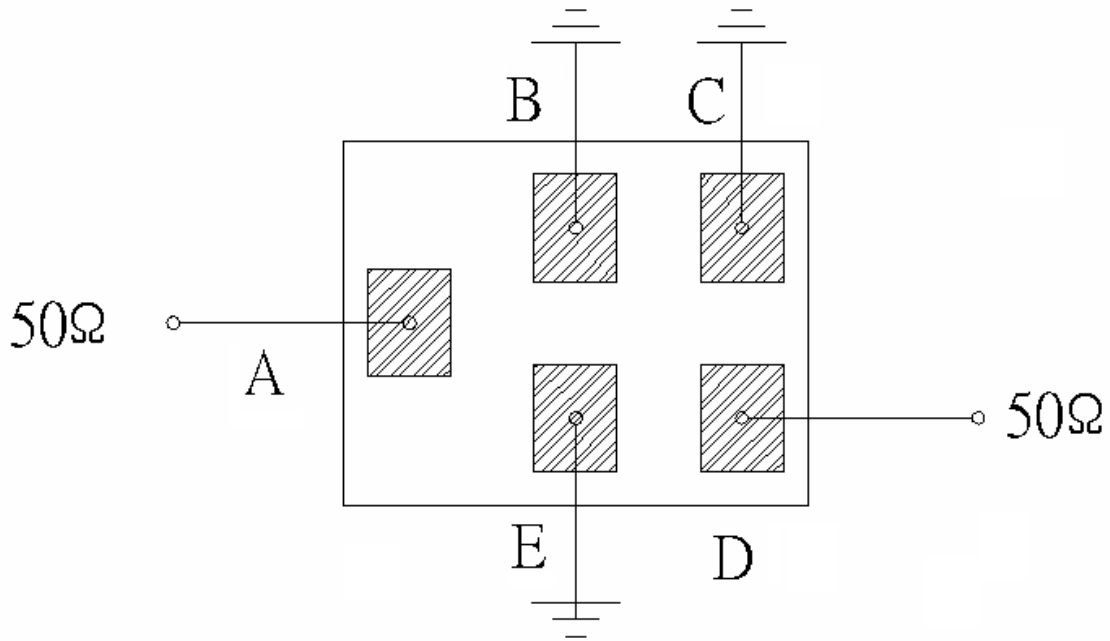
Marking name: V

Date code: Please refer to our date code blank as below.

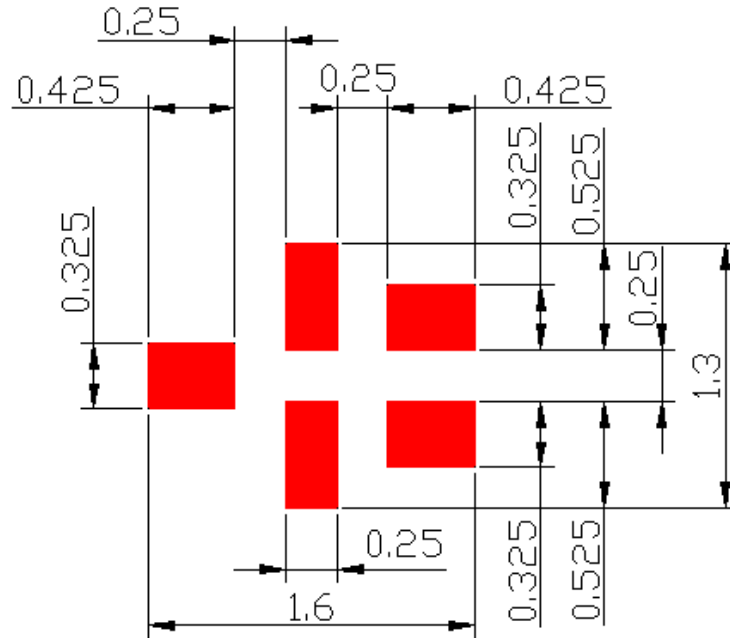
Date code Option

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2009	<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>
2010	<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>
2011	<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>
2012	<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>
2013	<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>
2014	<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>
2015	<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>
2016	<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:



E. PCB Footprint:

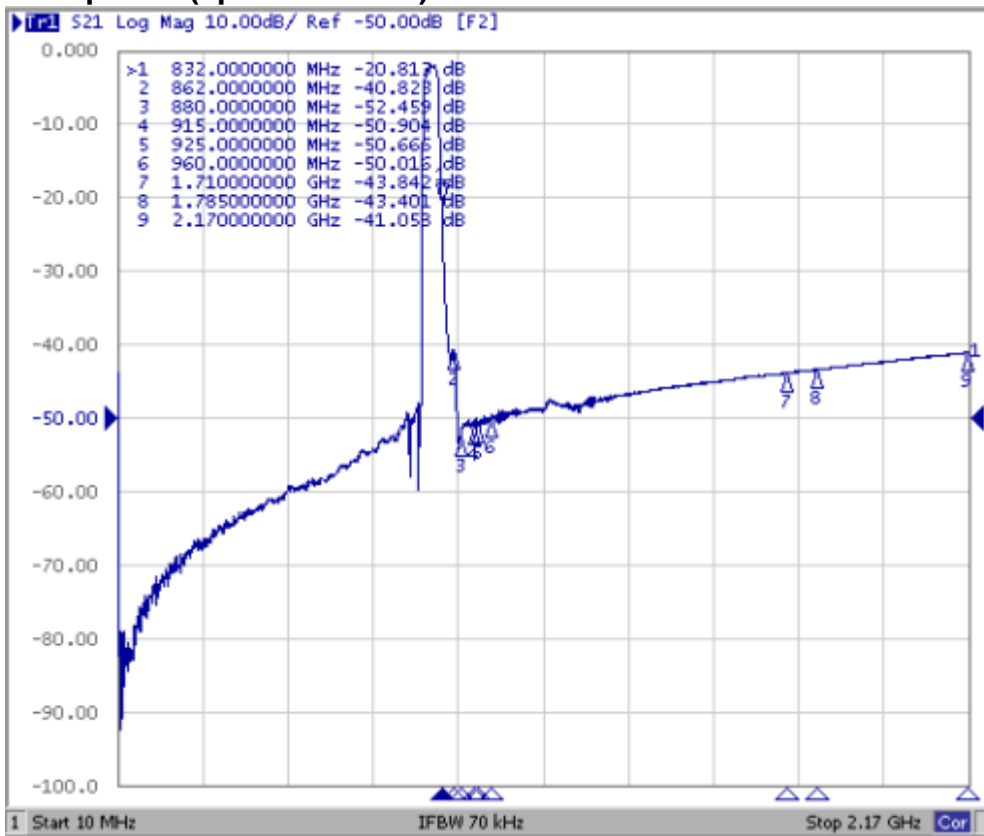


: Land Pattern

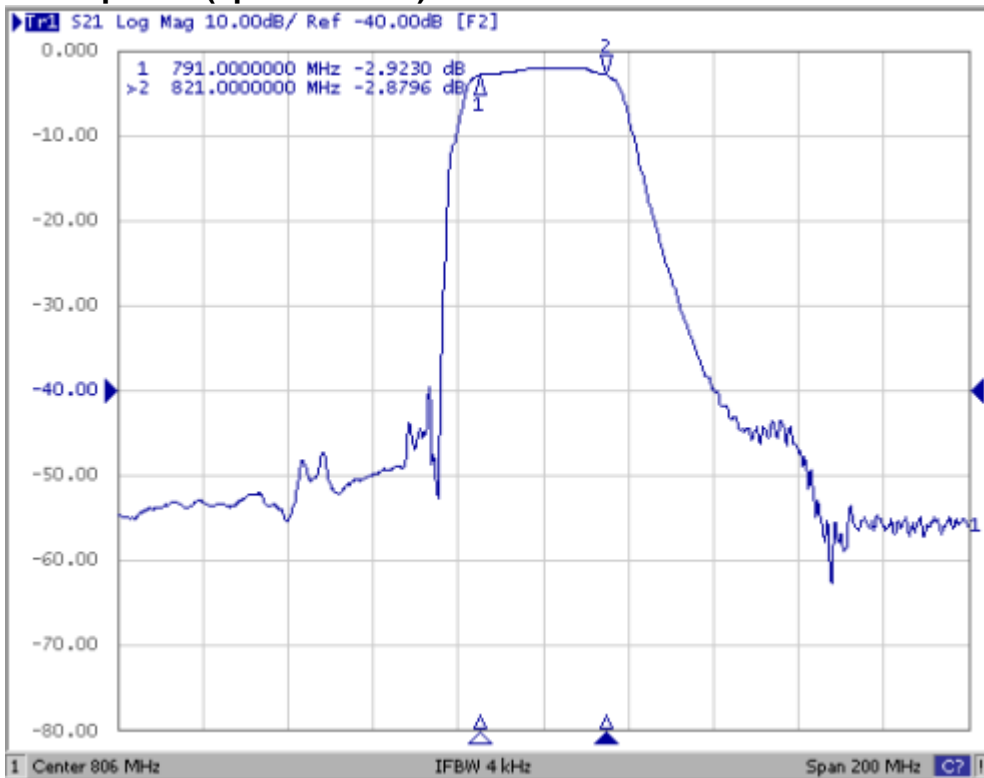
Unit : mm

F. Frequency Characteristics :

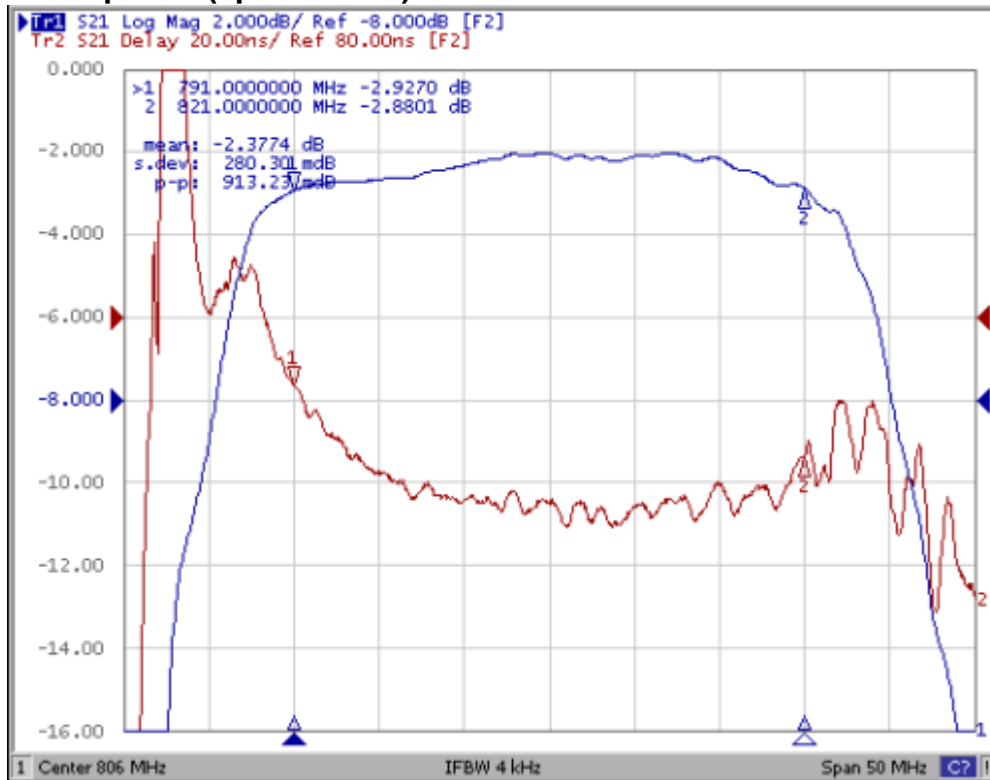
1. S21 Response (span 2170MHz):



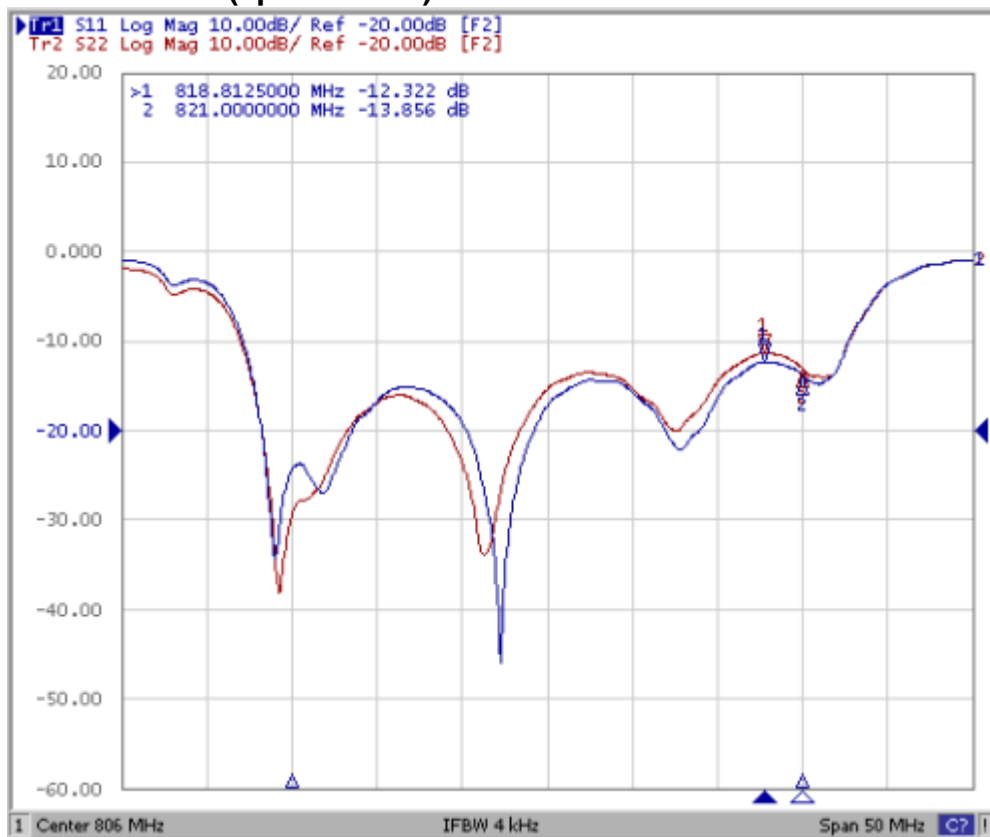
2. S21 Response (span 200MHz):



3. S21 Response (span 50MHz):



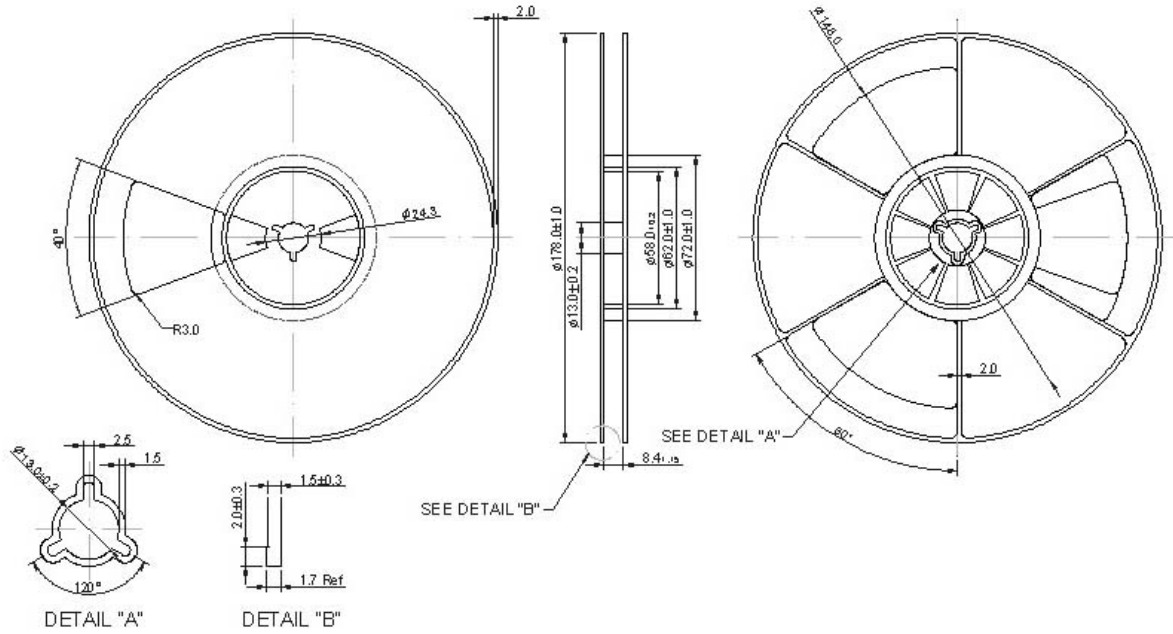
4. S11&S22 VSWR (span 50MHz):



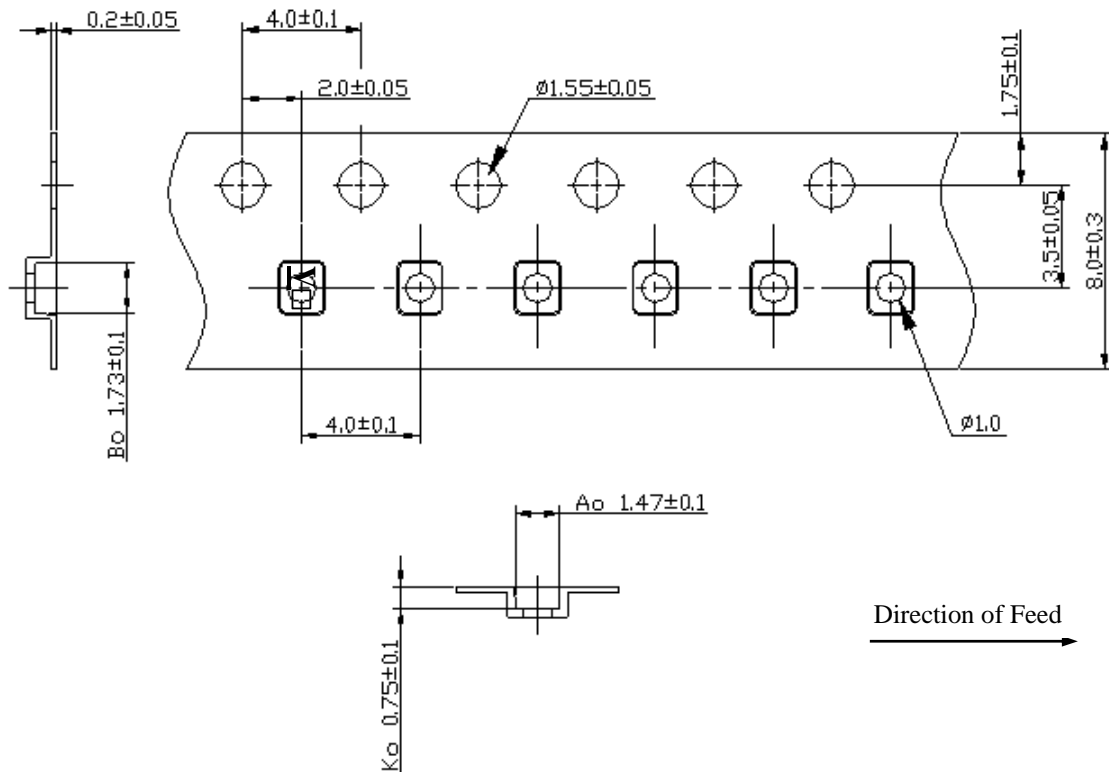
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

