



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 847 MHz 30MHz BW SMD 1.4X1.1 mm

TST Part No.: TA1656A

Customer Part No.: _____

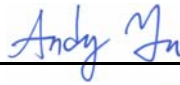
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Yu 

Approved by: _____ 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 847 MHz 30MHz BW SMD 1.4X1.1 mm

MODEL NO.:TA1656A

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)

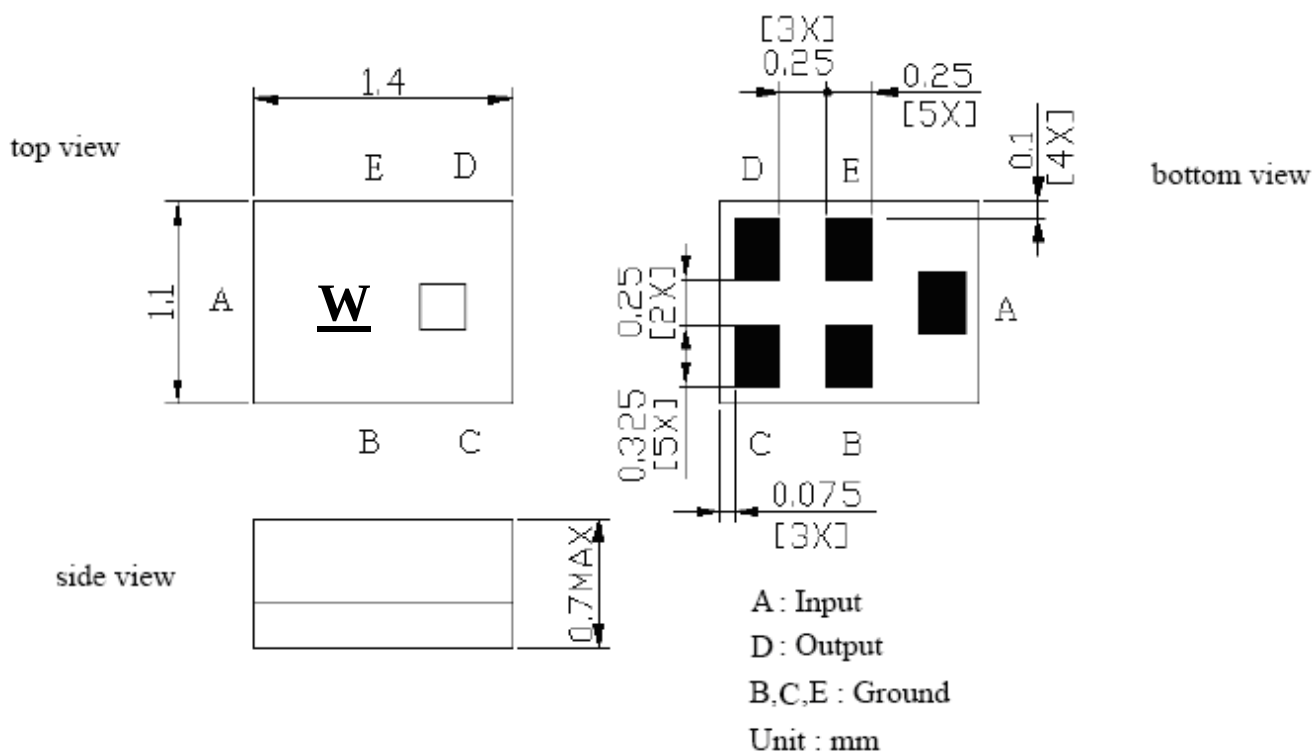
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = 50 \Omega$

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	847	-	-
Insertion Loss (832~862 MHz) IL	dB	-	2.7	5.0	-
Amplitude ripple(832~862 MHz)	dB	-	1.0	3.0	-
Return Loss (832~862 MHz) RL	dB	-	18	-	-
Attenuation					
791~ 817 MHz	dB	35	41	-	-
880 ~ 915 MHz	dB	-	27	-	-
925 ~ 960 MHz	dB	35	50	-	-
1710 ~ 1785 MHz	dB	35	40	-	-
1805 ~ 1880 MHz	dB	35	40	-	-
1920 ~ 1980 MHz	dB	35	39	-	-
2110 ~ 2170 MHz	dB	35	38	-	
Package size	mm	SMD 1.4x1.1			

C.OUTLINE DRAWING:



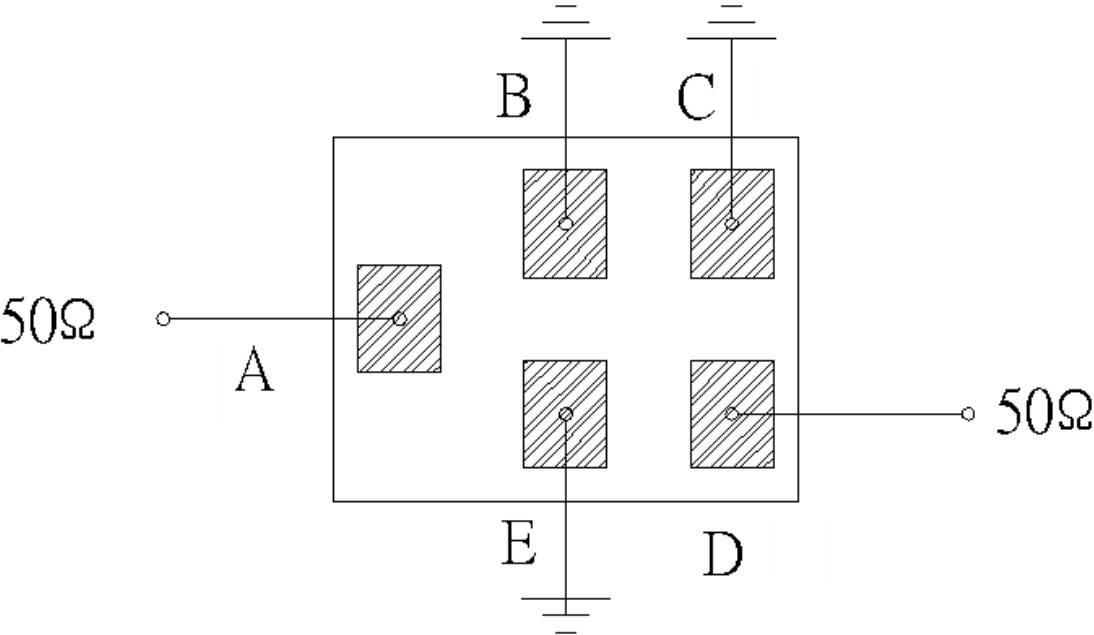
Marking name: W

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

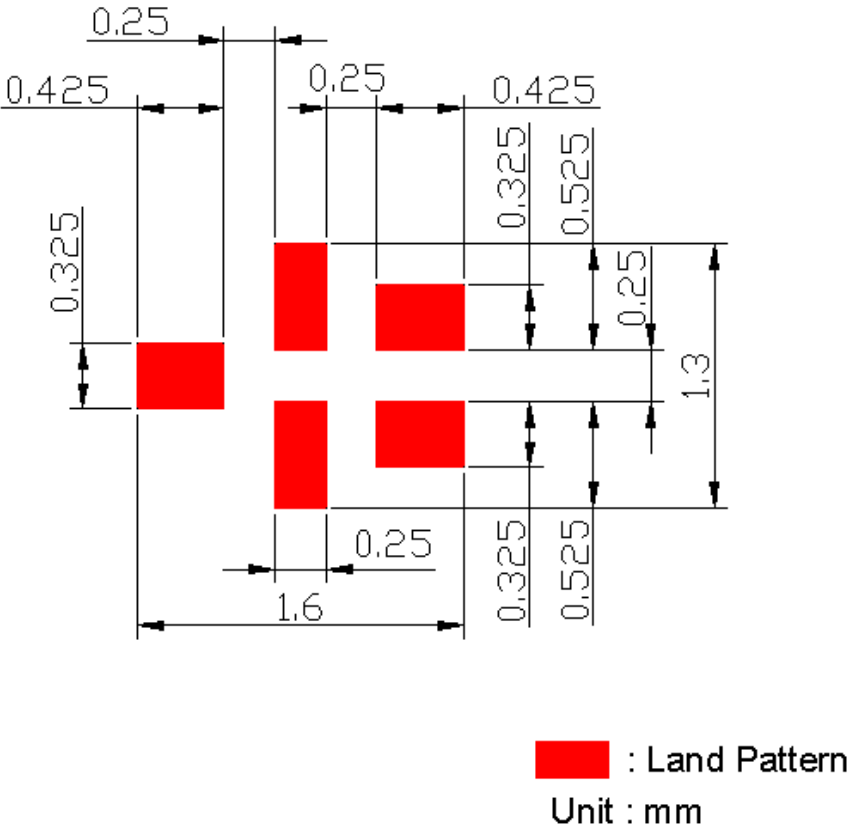
Date code Option

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	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z

D. MEASUREMENT CIRCUIT:

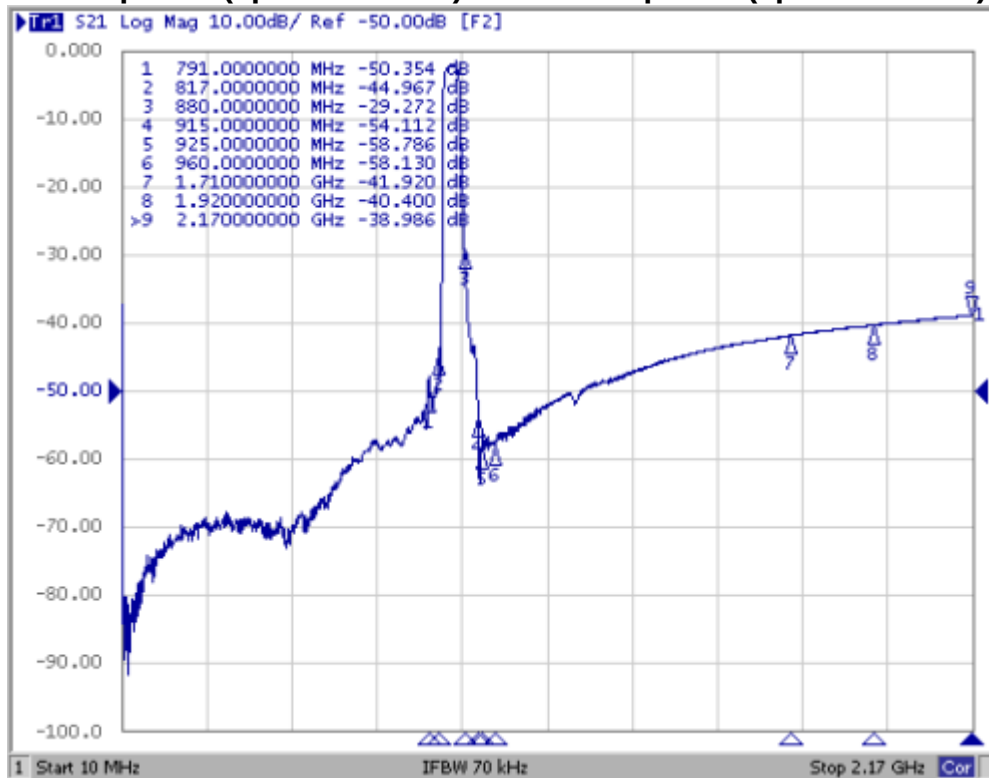


E. PCB Footprint:

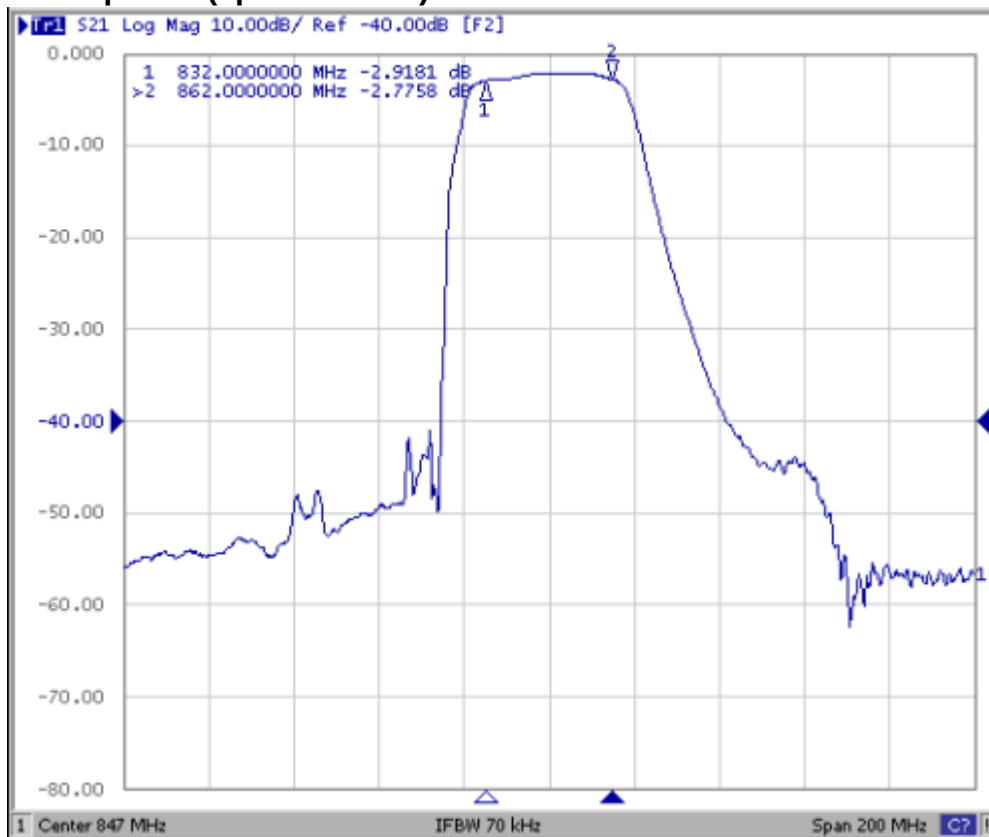


F. Frequency Characteristics :

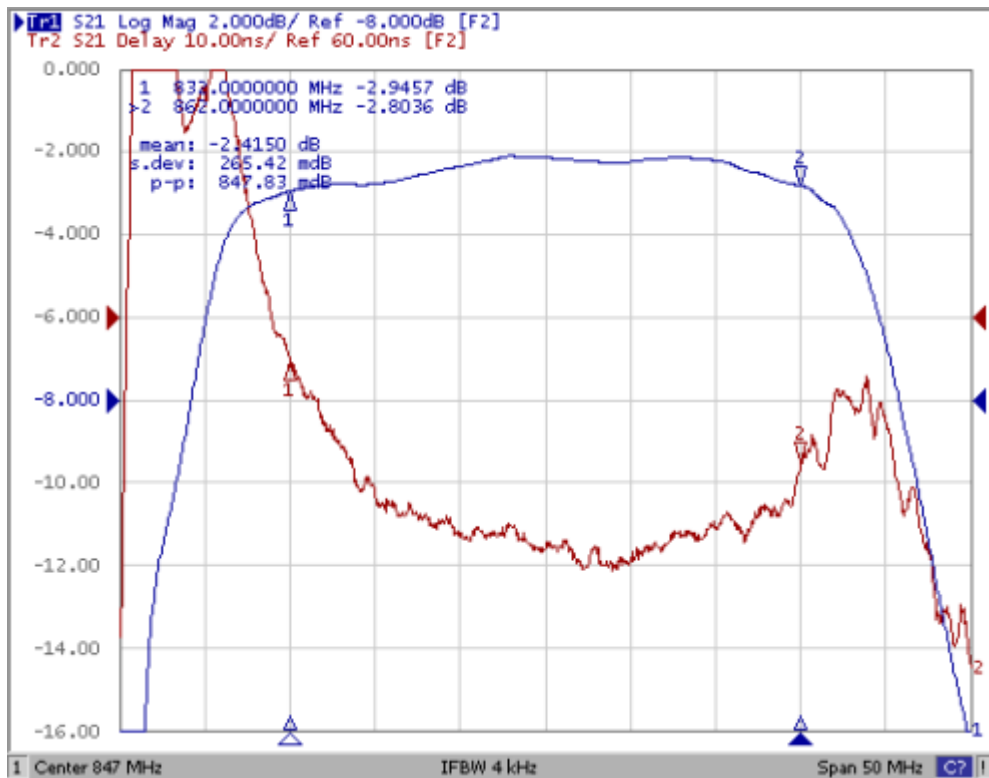
1. S21 Response (span 2250MHz):



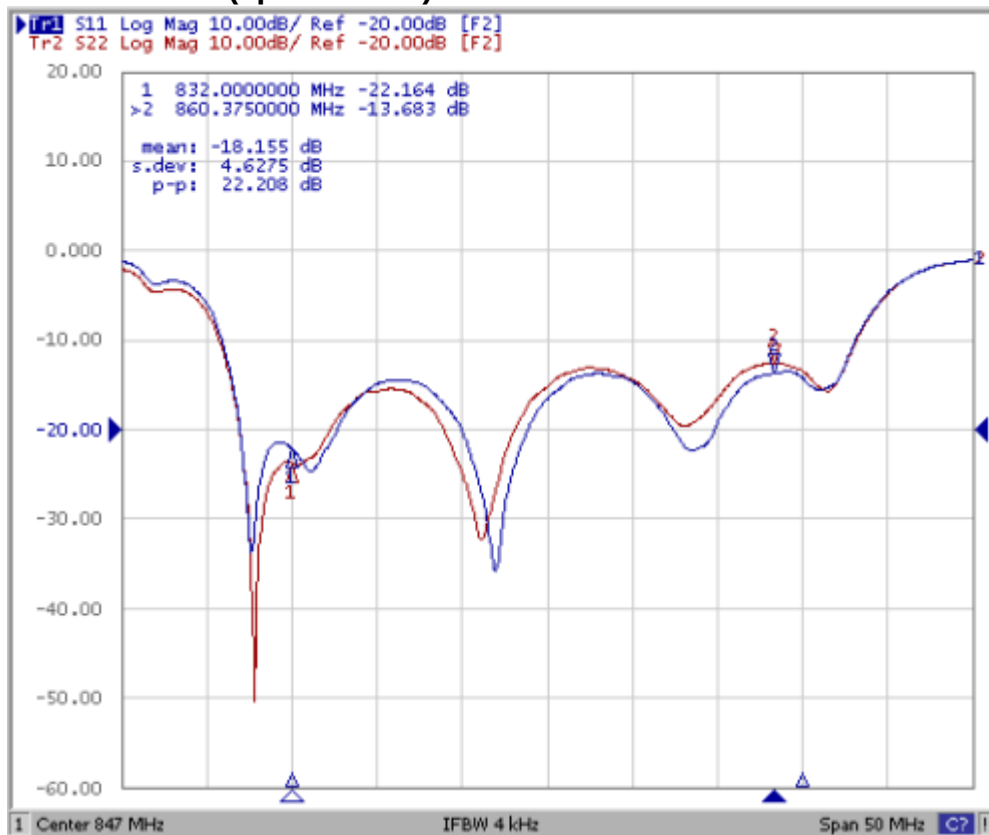
2. S21 Response (span 200MHz):



3. S21 Response (span 50MHz):



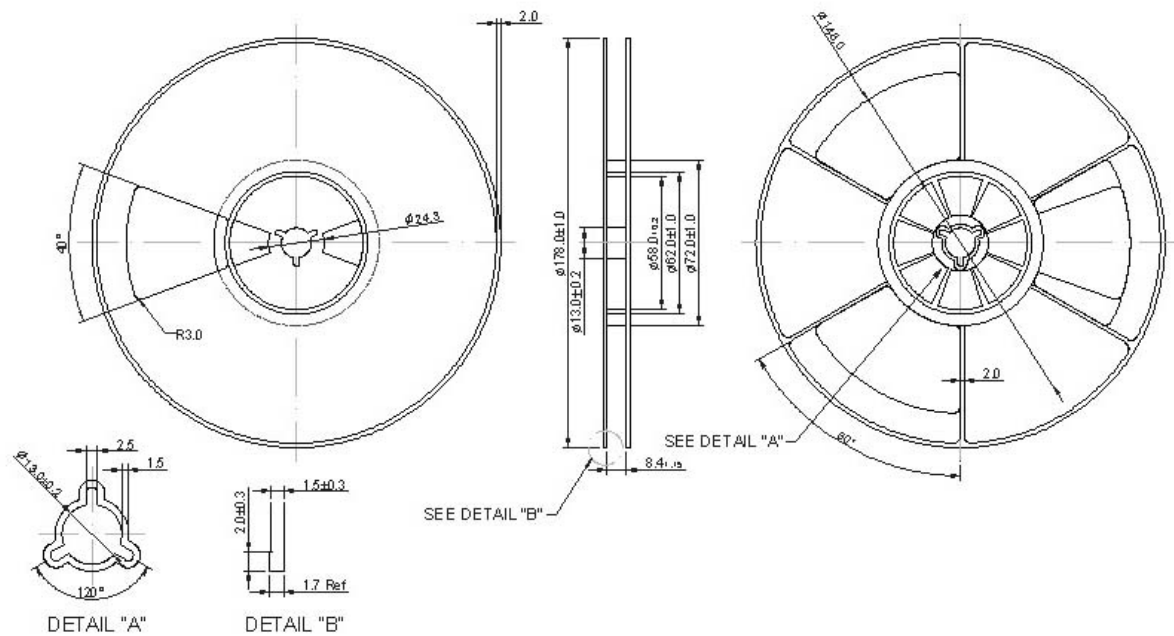
4. S11&S22 VSWR (span 50MHz):



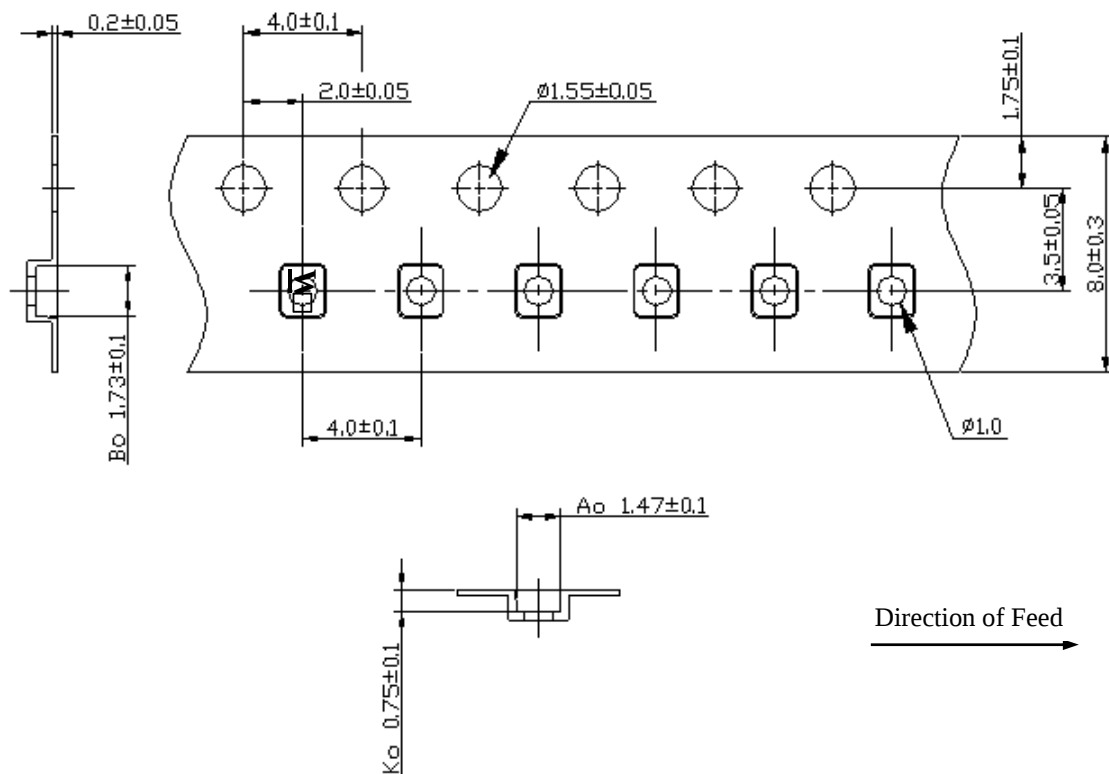
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

