



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

E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: SAW Filter 1575.42 MHz SMD 1.4X1.1 mm

TST Part No.: TA0796A

Customer Part No.: _____

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

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 4, 23, 2012

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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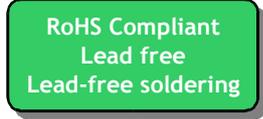
SAW Filter 1575.42MHz

MODEL NO.:TA0796A

REV. NO.:7

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -55°C to +95°C



Electrostatic Sensitive Device (ESD)

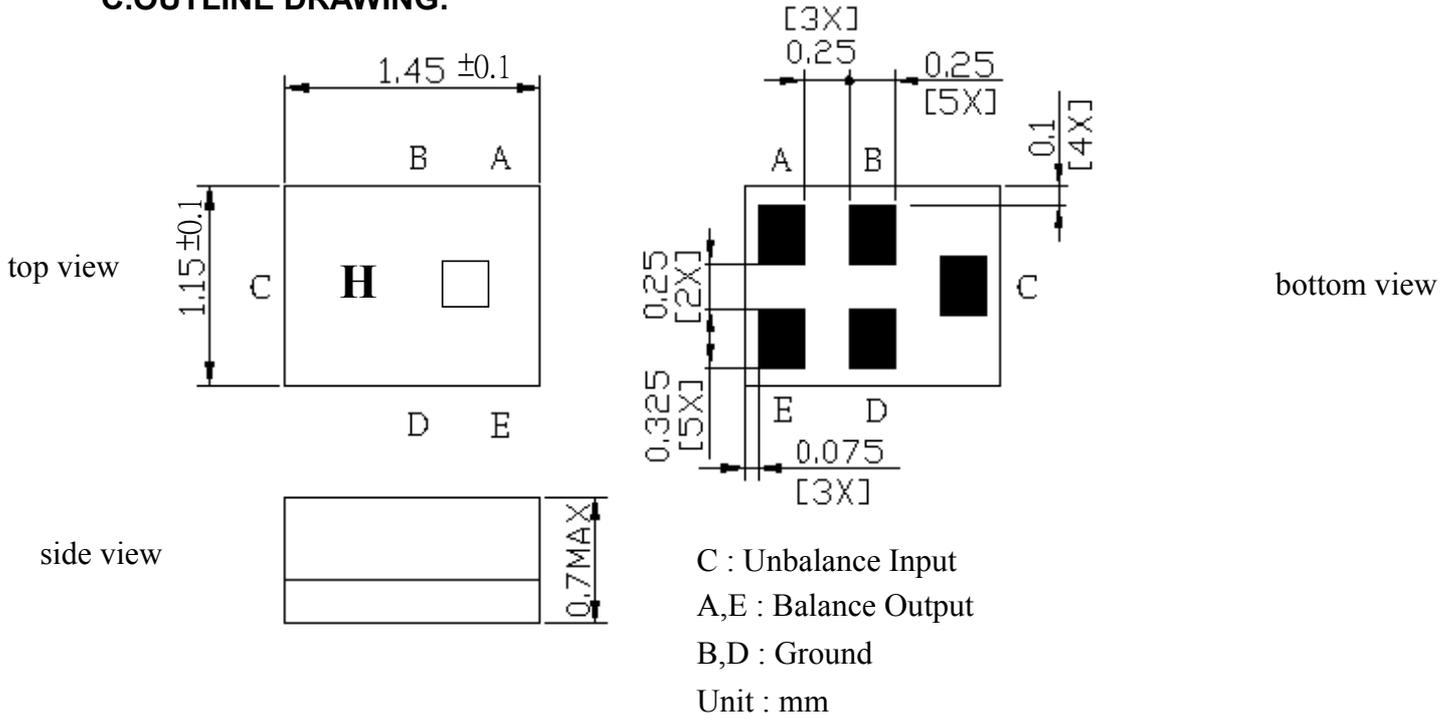
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single-ended) : $Z_s = 50 \Omega$

Terminating load impedance (differential) : $Z_L = 100 \Omega$

Item	Unit	Min.	Type.	Max.	Note
Center Frequency	Fc MHz	-	1575.42	-	-
Max. Insertion Loss (1574.42~1576.42 MHz)	IL dB	-	1.7	2.3	-
Amplitude ripple (1574.42~1576.42 MHz)		-	0.3	1	-
VSWR (1574.42~1576.42 MHz)		-	1.3	1.8	-
Attenuation					
100~960 MHz		40	46	-	-
960~1425 MHz		35	46	-	-
1425~1475 MHz		30	51	-	-
1475~1515 MHz		20	30	-	-
1515~1525 MHz		17	30	-	-
1625~1635 MHz		12	22.5	-	-
1635~1675 MHz		20	25	-	-
1675~1750 MHz		30	35	-	-
1750~1805 MHz		35	42	-	-
1805~1980 MHz		40	47	-	-
1980~2400 MHz		35	40	-	-
2400~3155 MHz		40	52	-	-
3155~6000 MHz		35	52	-	-

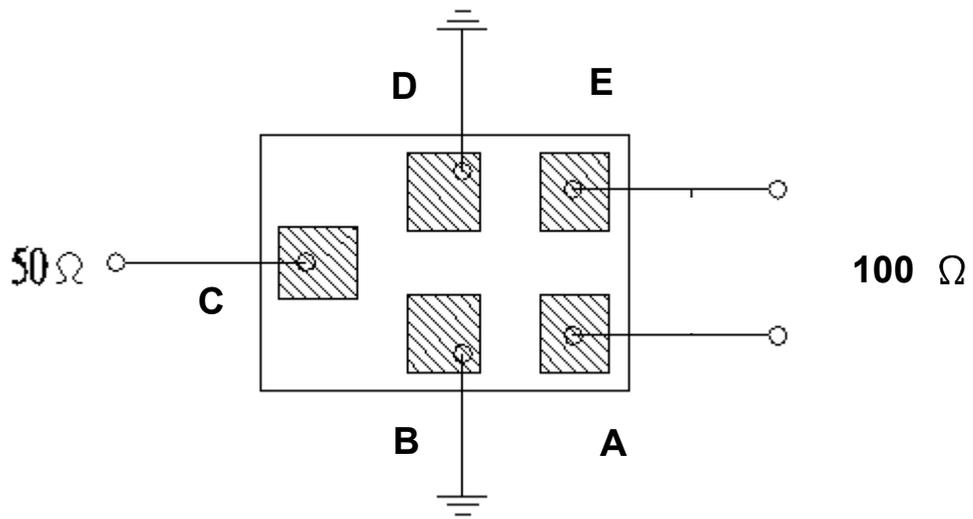
C.OUTLINE DRAWING:



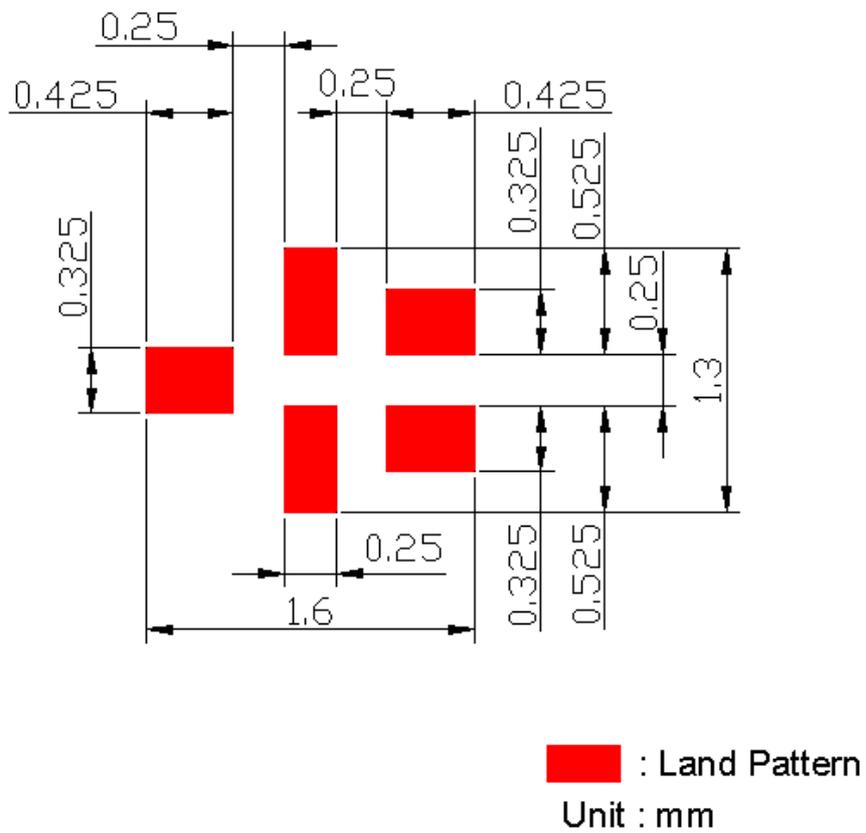
□ : Year/Month Code (Follow the table)

Year/Month	1	2	3	4	5	6	7	8	9	10	11	12
2009	A	B	C	D	E	F	G	H	J	K	L	M
2010	N	P	Q	R	S	T	U	V	W	X	Y	Z
2011	A	B	C	D	E	F	G	H	J	K	L	M
2012	N	P	Q	R	S	T	U	V	W	X	Y	Z
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

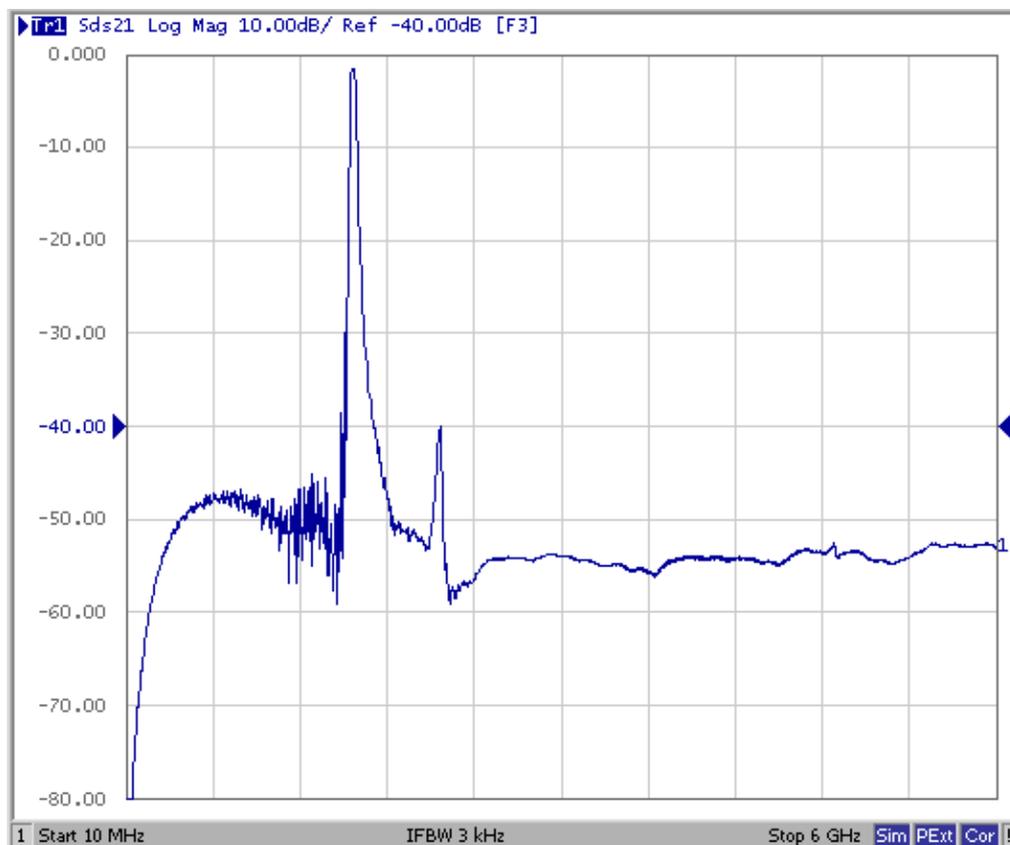
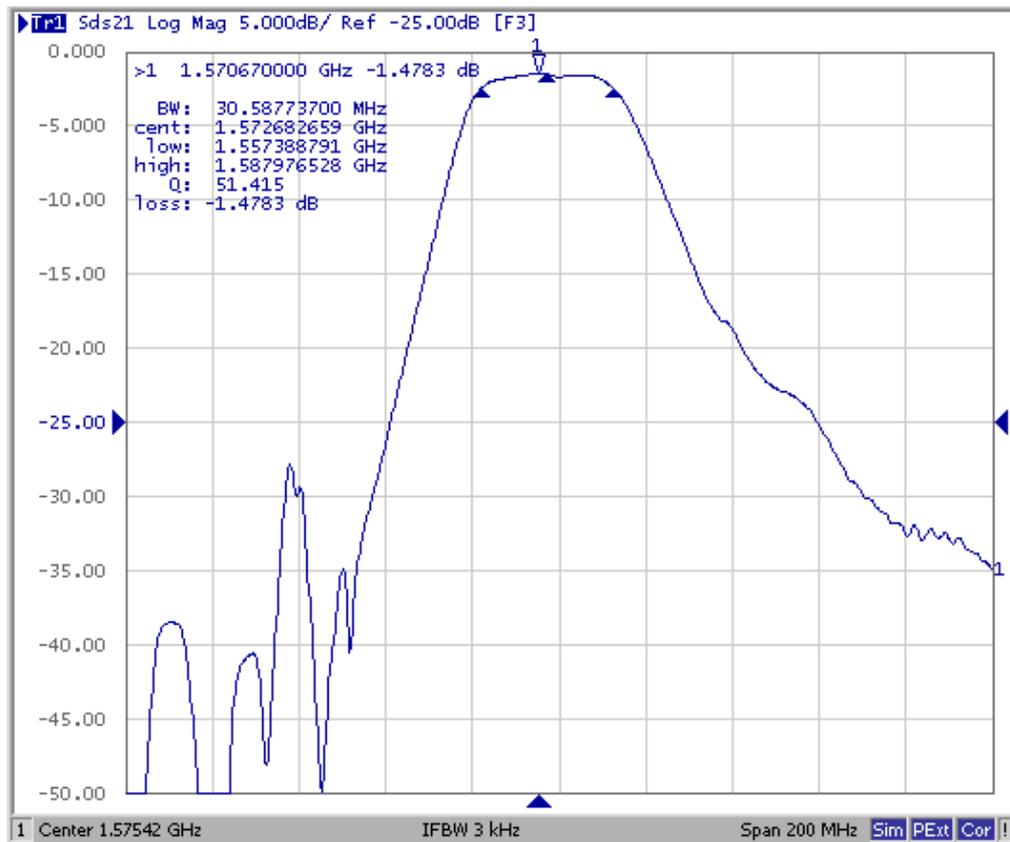
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

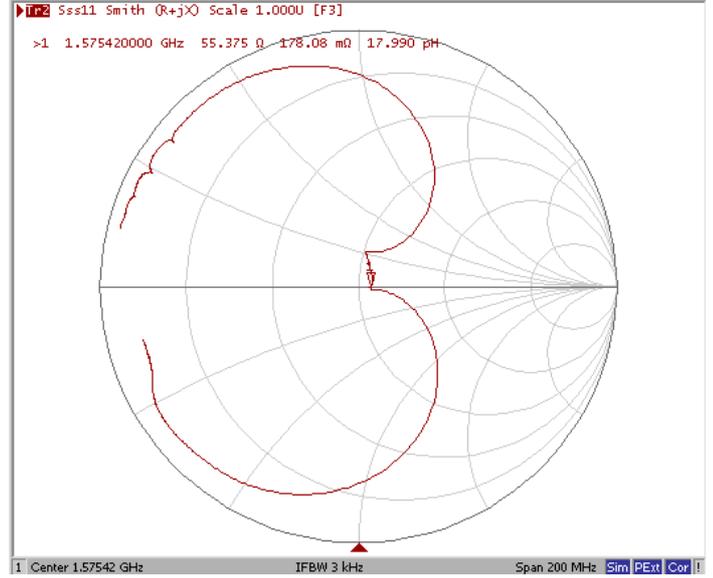
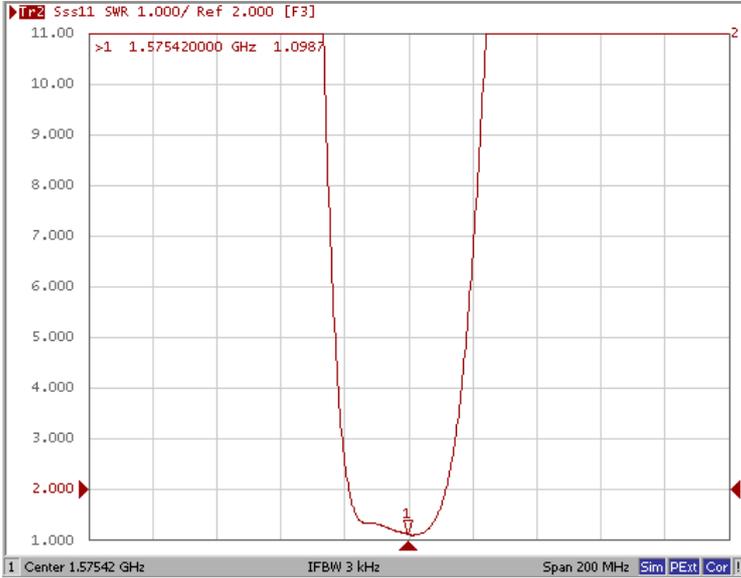


F. Frequency Characteristics :

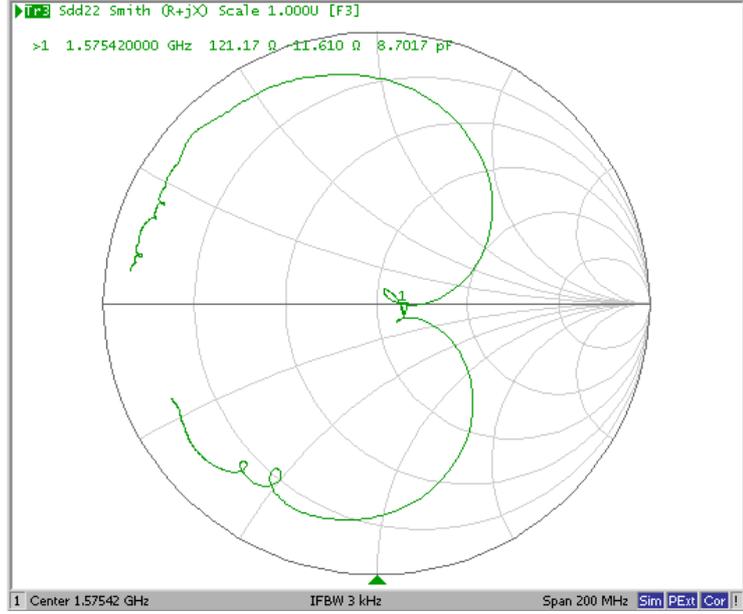
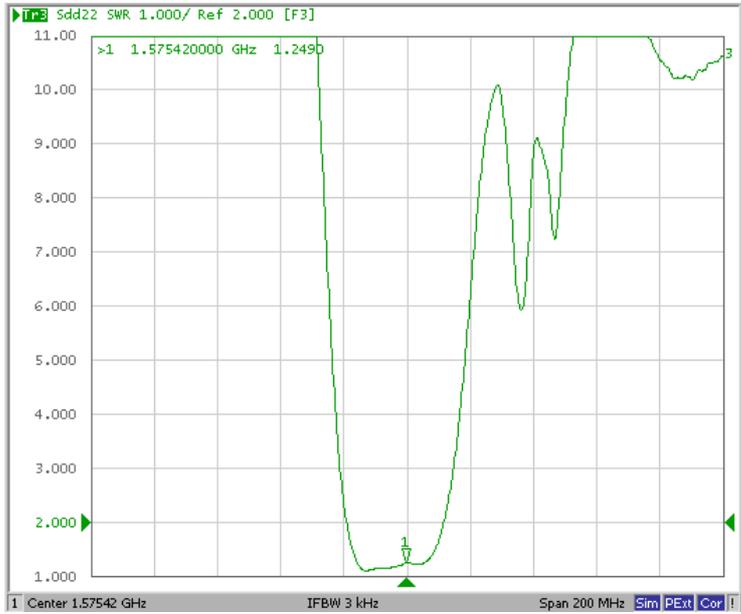


Reflection Functions :

S11



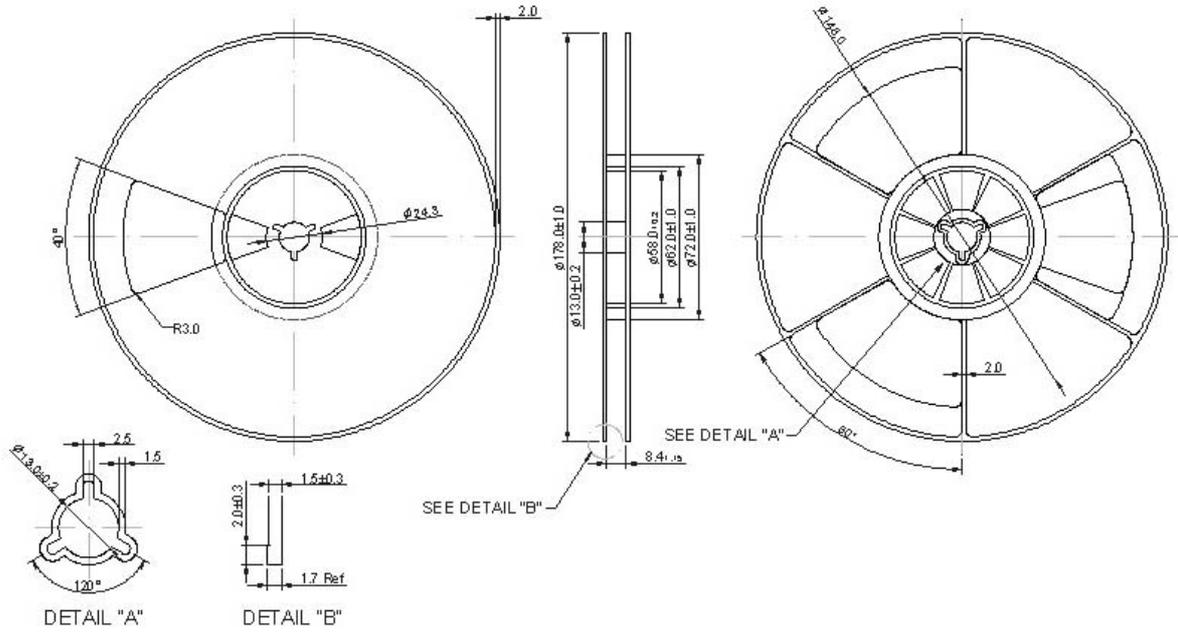
S22



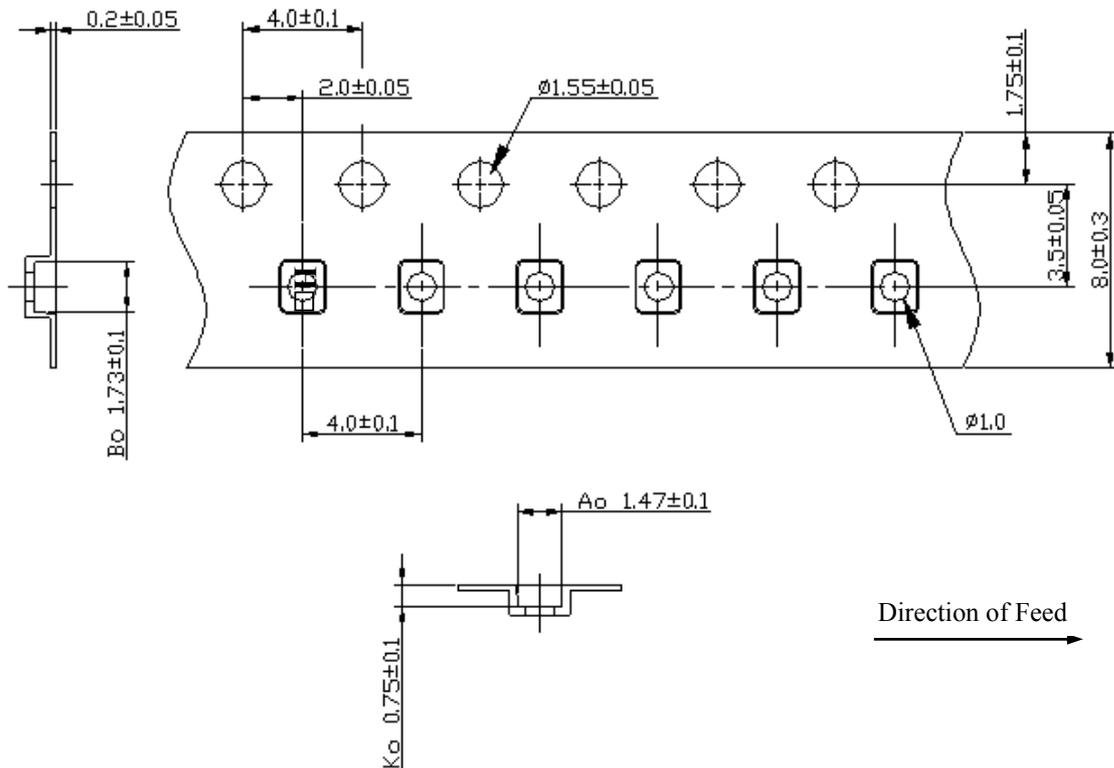
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=3000)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

