



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 1902 MHz SMD 1.4X1.1 mm

TST Part No.: TA1121A

Customer Part No.: _____

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

Checked by: _____ Bob Chau *Bob Chau*

Approved by: _____ Francis Chen *Francis Chen*

Date: _____ 11, 3, 2009

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 1902MHz

MODEL NO.:TA1121A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -30°C to +85°C

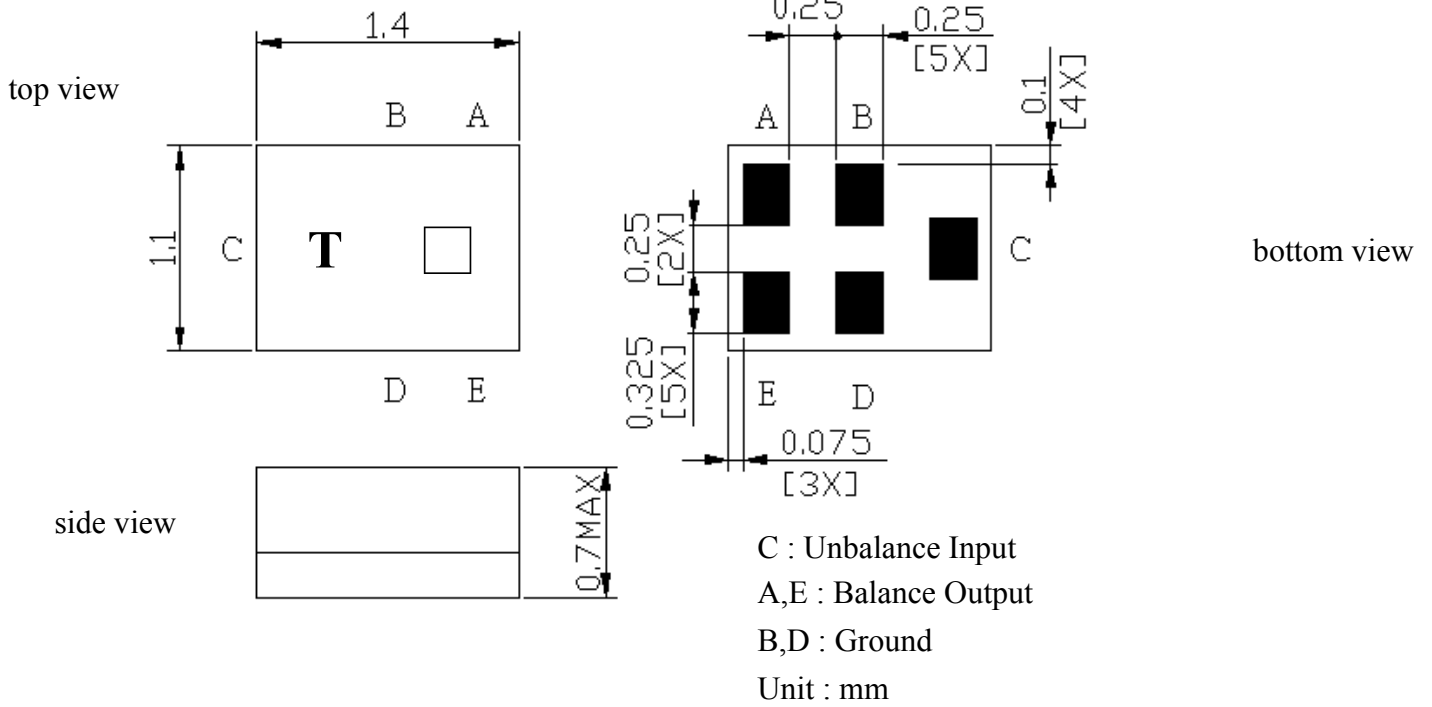
B. ELECTRICAL CHARACTERISTICS:

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

Terminating load impedance (differential) : $Z_L = 200 \Omega // 22nH$

Item	Unit	Min.	Type.	Max.	Note
Center Frequency	Fc	MHz	-	1902	-
Insertion Loss (1884.55~1919.45MHz)	IL	dB	-	1.8	2.4
Amplitude ripple (1884.55~1919.45 MHz)		dB	-	0.5	1
Output amplitude balance ($ S_{31}/S_{21} $) (1884.55~1919.45 MHz)		dB	-3	+1.9	3
Output phase balance ($\Phi(S_{31})-\Phi(S_{21})+180^\circ$) (1884.55~1919.45 MHz)		deg	-12	+6	12
VSWR (1884.55~1919.45 MHz)			-	2	2.5
Attenuation					
1349~1455 MHz		dB	35	40	-
1614~1687 MHz		dB	35	46	-
1731~1801 MHz		dB	34	36	-
1986~2056 MHz		dB	18	22	-
2037~2039 MHz		dB	25	33	-
2113~2186 MHz		dB	35	42	-
2386~2451 MHz		dB	40	48	-
3000~3840 MHz		dB	40	51	-
4941~5760 MHz		dB	35	48	-

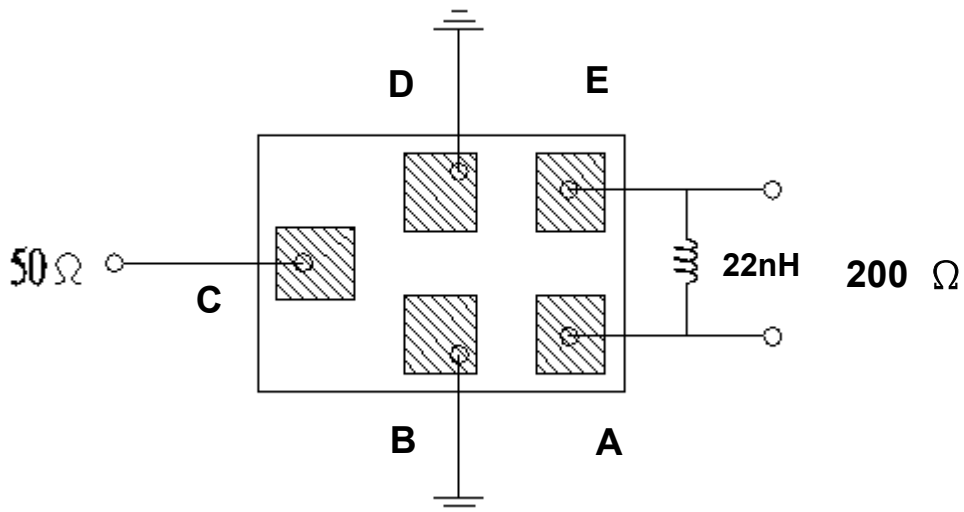
C.OUTLINE DRAWING:



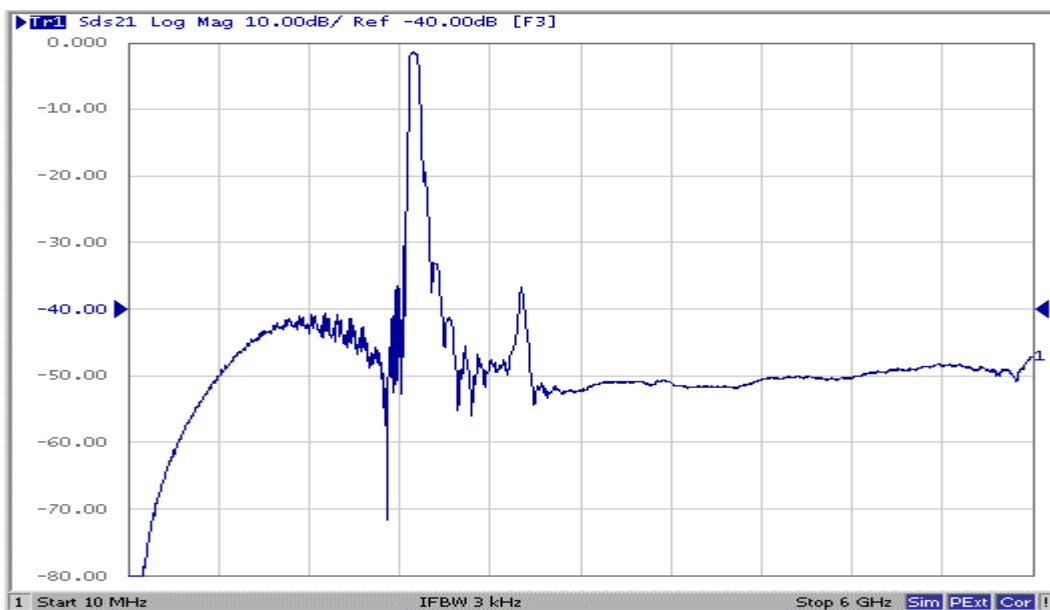
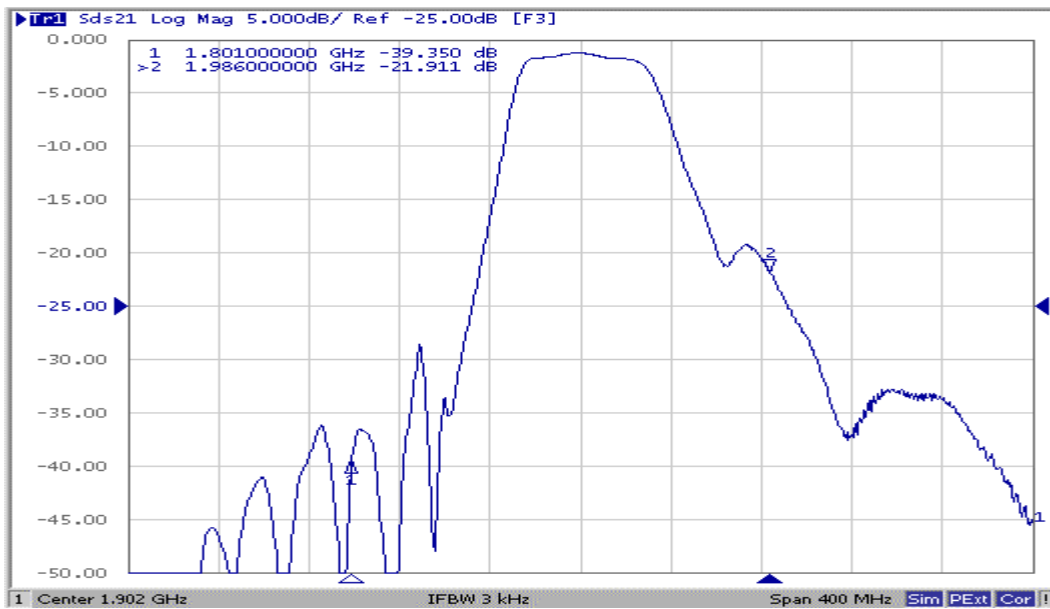
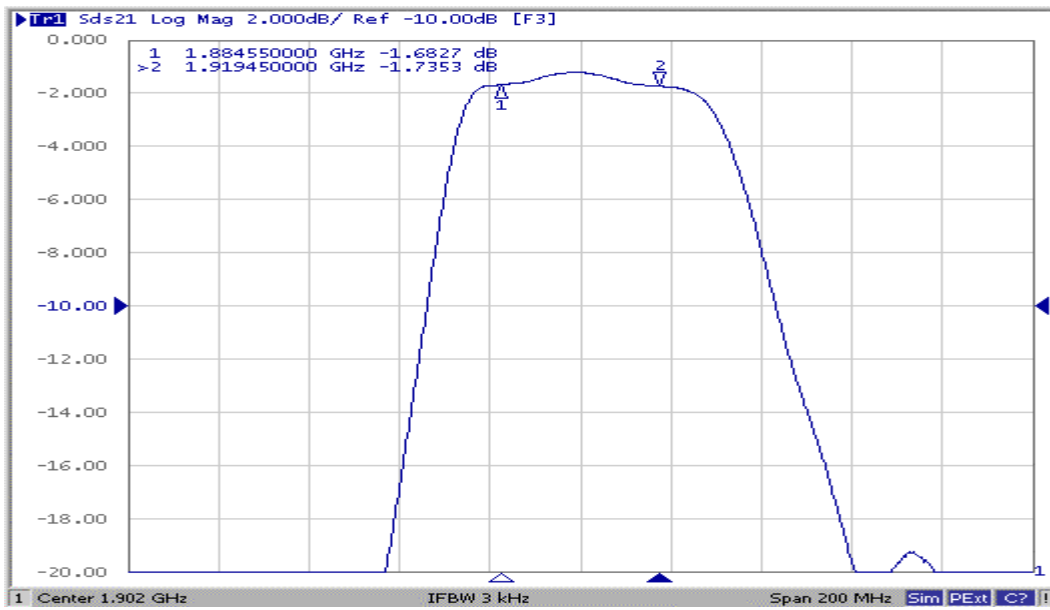
□ : Year/Month Code (Follow the table)

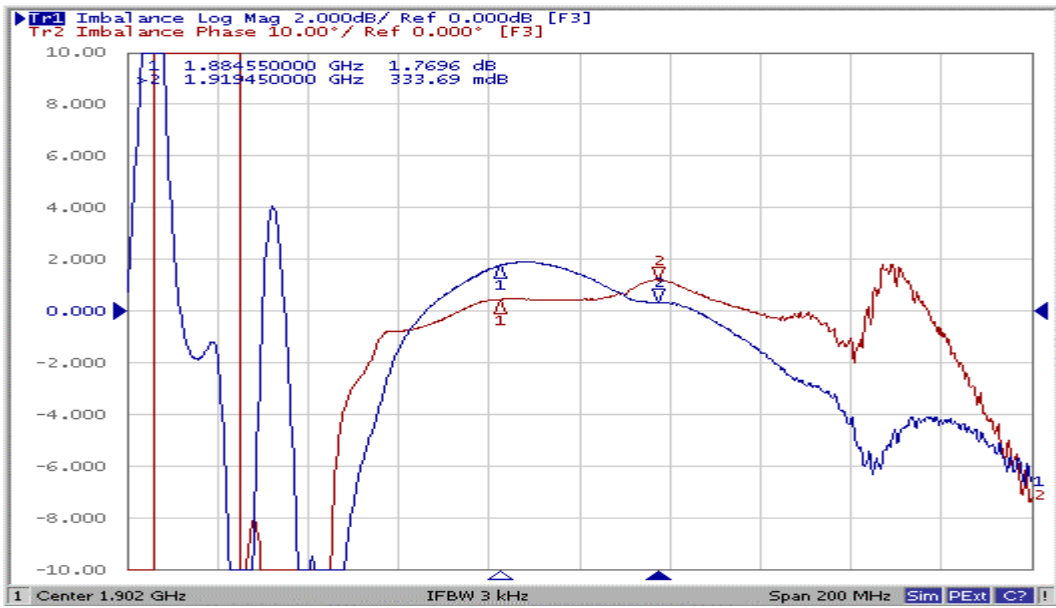
Year/Month	1	2	3	4	5	6	7	8	9	10	11	12
2005	A	B	C	D	E	F	G	H	J	K	L	M
2006	N	P	Q	R	S	T	U	V	W	X	Y	Z
2007	a	b	c	d	e	f	g	h	j	k	l	m
2008	n	p	q	r	s	t	u	v	w	x	y	z
2009	A	B	C	D	E	F	G	H	J	K	L	M
2010	N	P	Q	R	S	T	U	V	W	X	Y	Z

D. MEASUREMENT CIRCUIT:

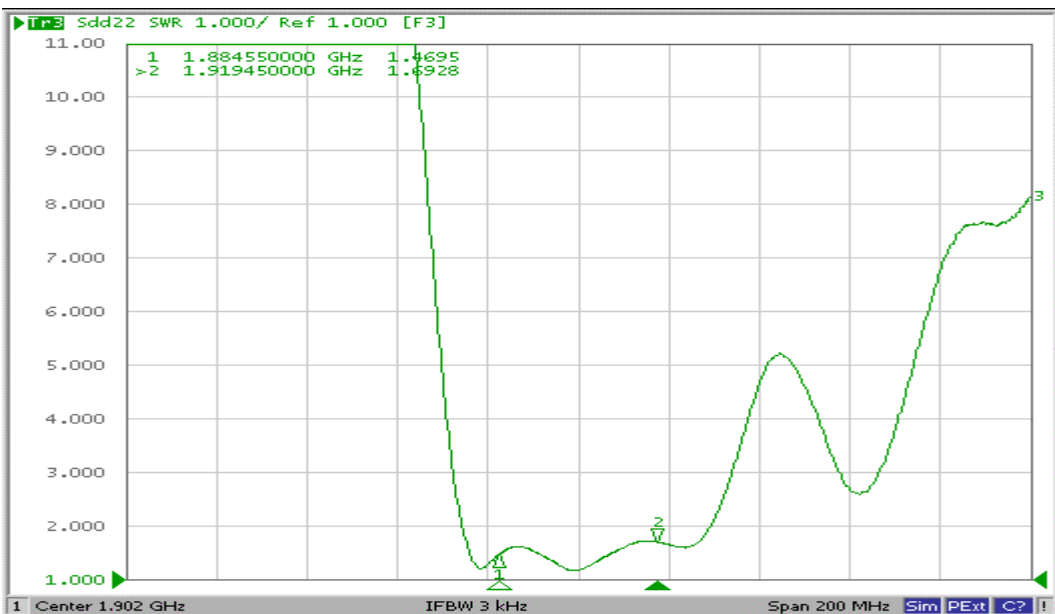
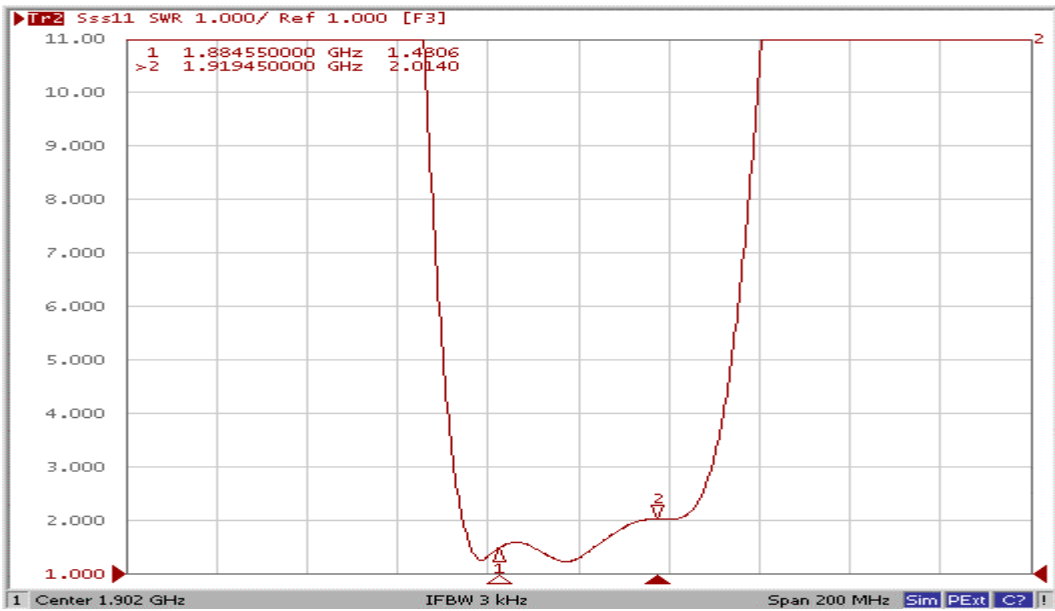


E. Frequency Characteristics :





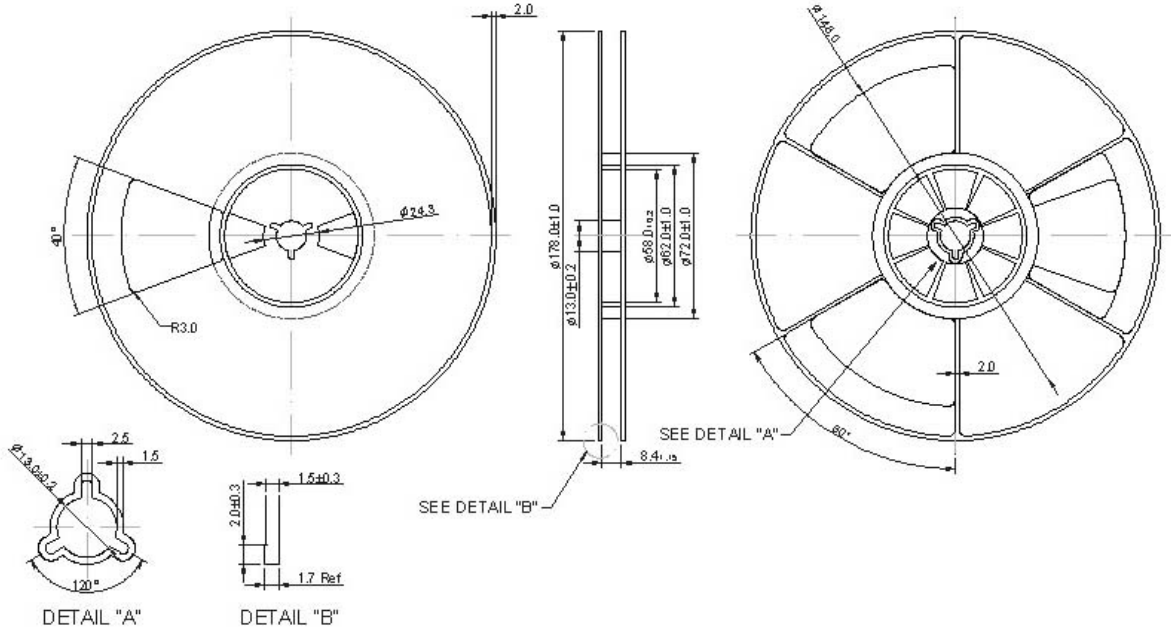
Reflection Functions :



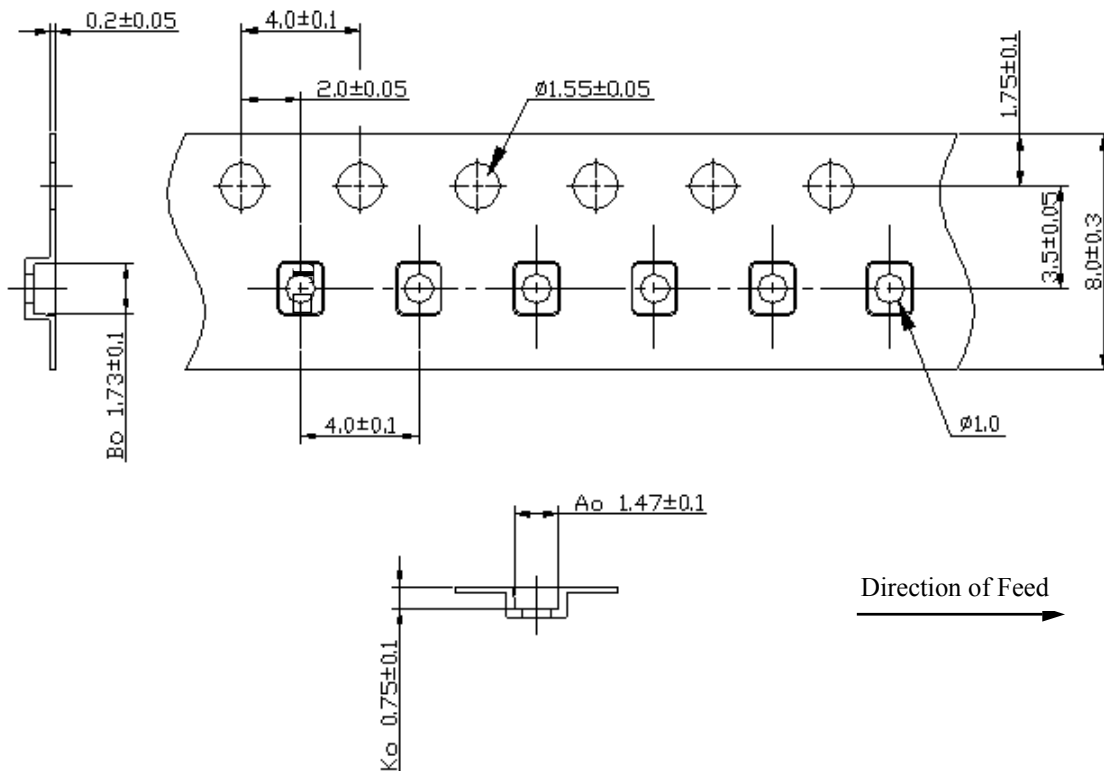
F. PACKING:

1. REEL DIMENSION

(Reel Count : 7''=2000 ; 13''=10000)



2. TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

