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 Name: SAW IF Filter 75MHz (BW 22MHz) SMD 13.3×6.5mm

TST Part No.:TB1074A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Andy Yu

Approval by: Francis Chen

Date: 2012/06/21

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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IF SAW Filter 75 MHz(BW 22MHz) SMD 13.3mmX6.5mm

MODEL NO.: TB1074A Rev. No. V1.0

A. Maximum Rating:

0. Maximum Input Power: 10dBm

1.Operating Temperature: -20 °C ~ +85 °C

2. Storage Temperature: -40 °C ~ +85 °C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic **S**ensitive **D**evice (**ESD**)

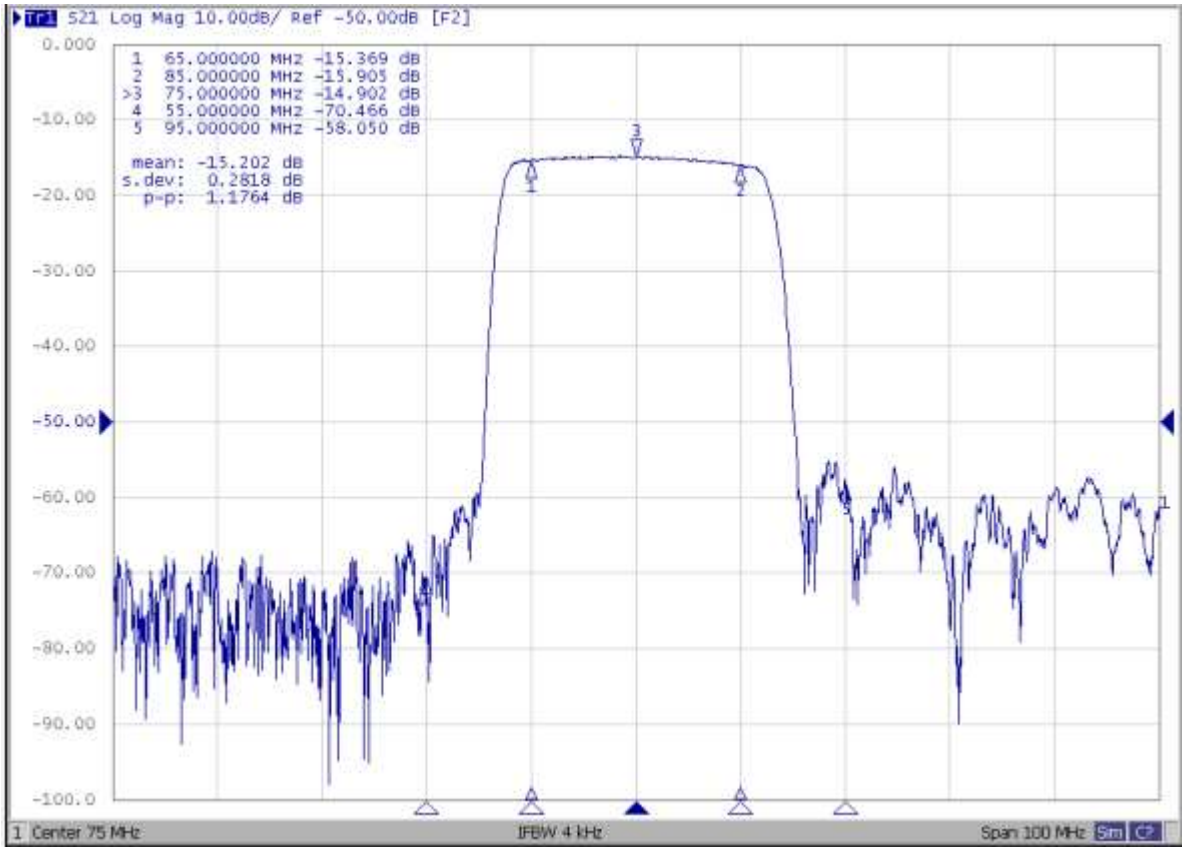
B. Characteristics :

Ambient Temperature: 25 °C

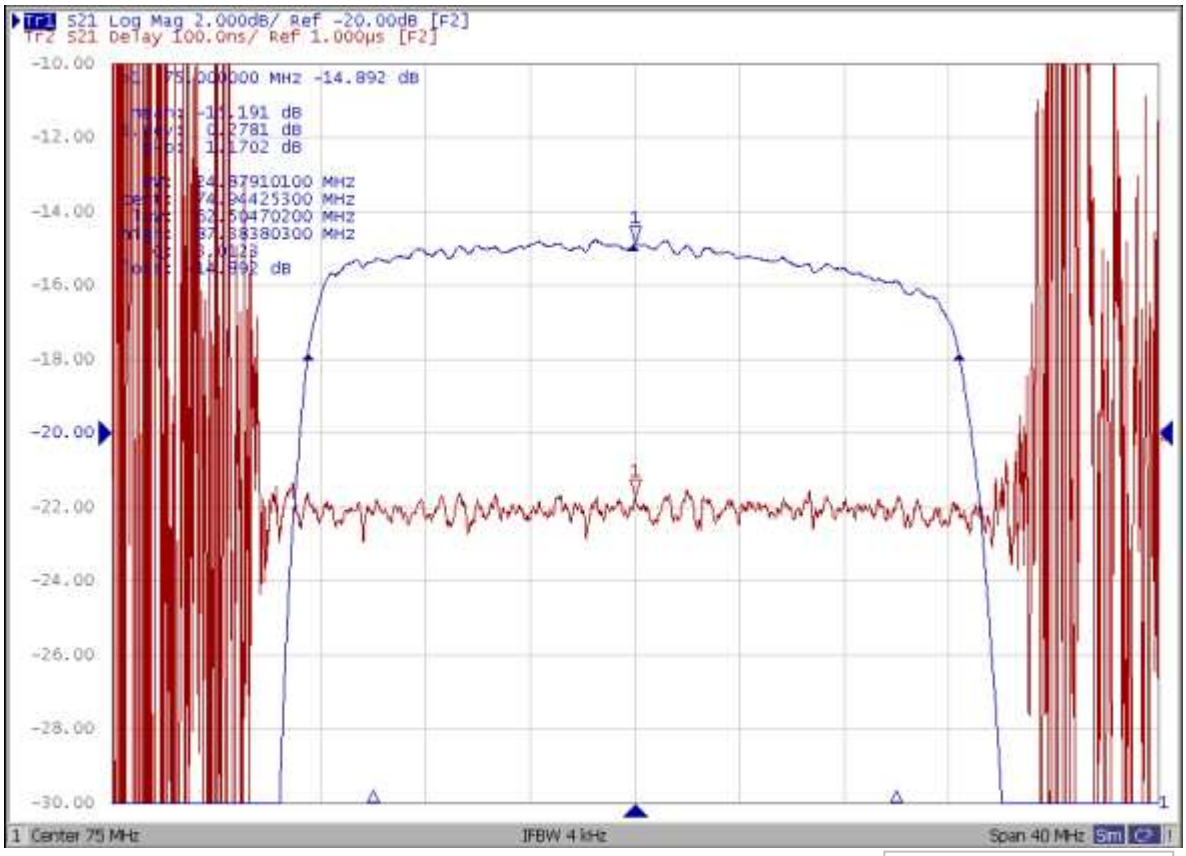
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	-	75.0	-	-
Minimum Insertion loss I.L. 64MHz ~ 86MHz dB	-	14.8	16.0	-
Passband Ripple 64MHz ~ 86MHz dB	-	1.1	1.5	-
Attenuation 10MHz ~ 55MHz dB 95MHz ~ 200MHz dB	 40 38	 45 43	 - -	-
Substrate Material	YZ-LiNbO3			-
Temp Coefficient ppm/K	-	-94	-	-
Matching: 1.The input of the filter will be matched to 50 ohm 2.The output of the filter will be matched to 50 ohm				

C. Frequency Characteristics :

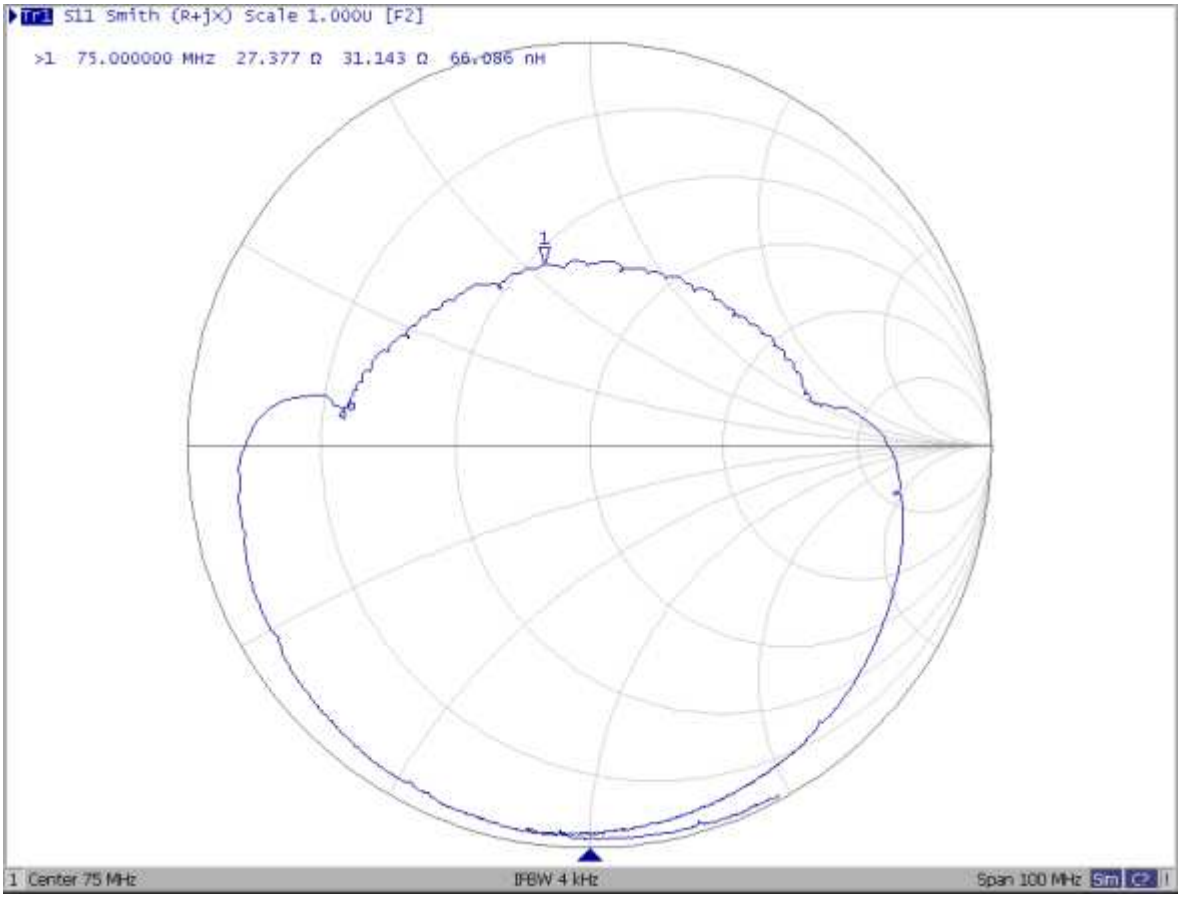
1.S21 Response: (span 50MHz)



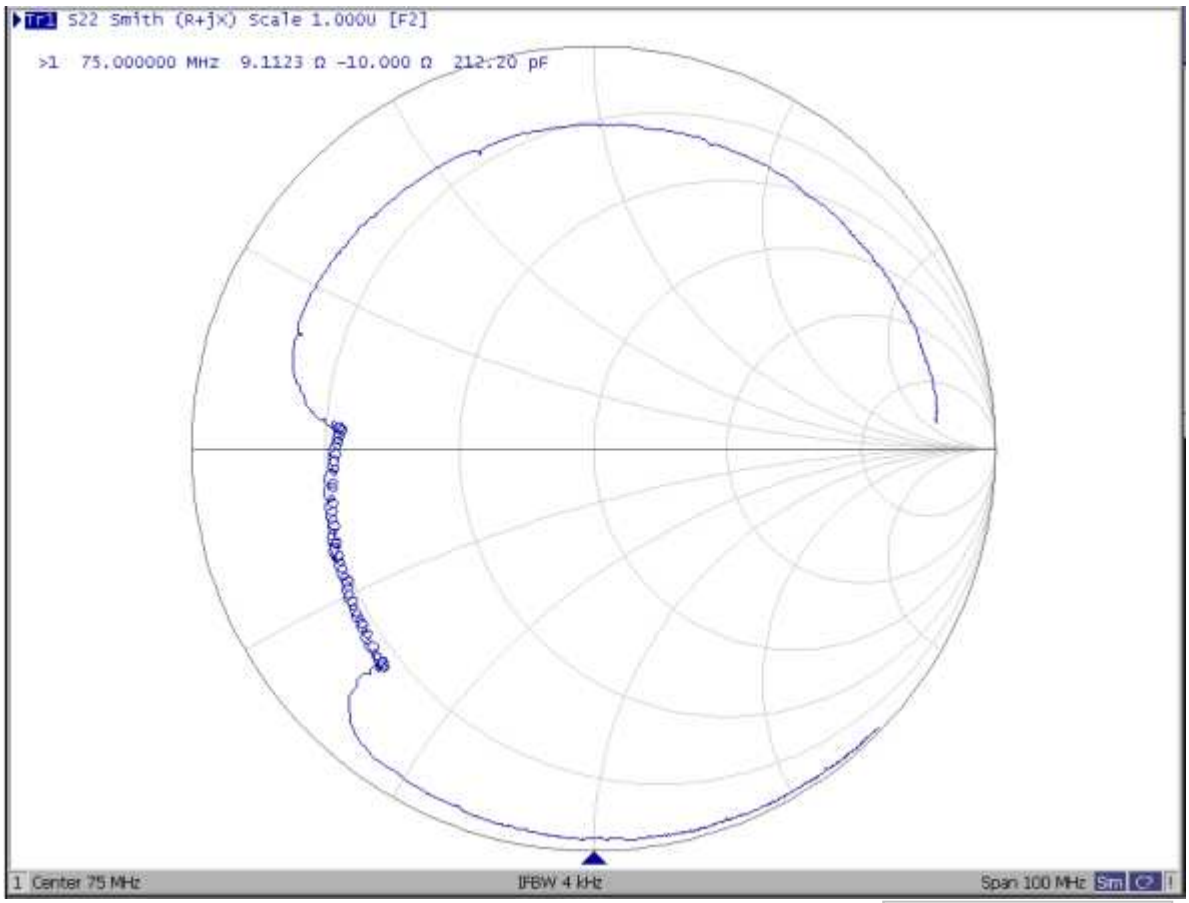
2.S21 Response: (span 10MHz)



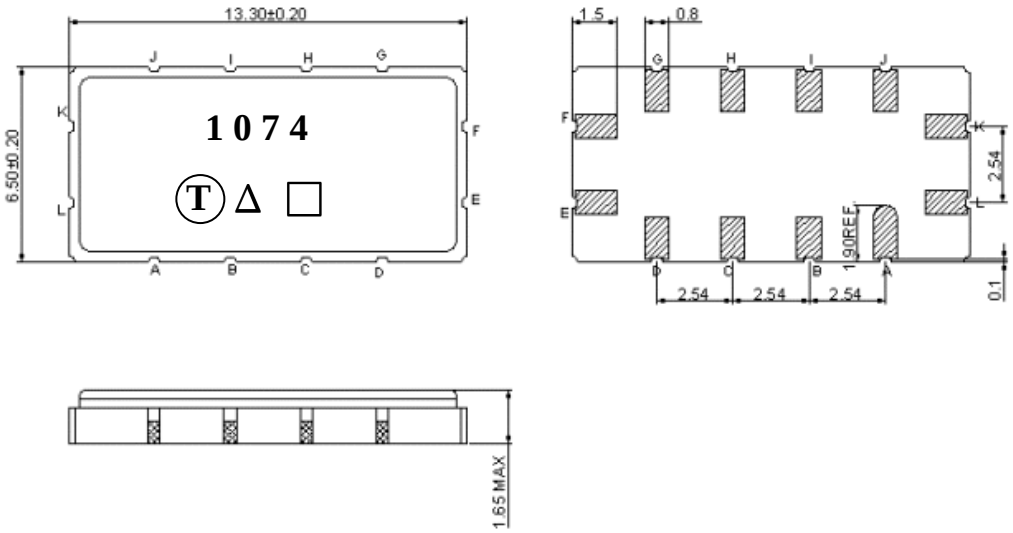
3. S11 Smith-Chart: (span 100MHz)



4. S22 Smith-Chart: (span 100MHz)



D. Outline Drawing:



Pin K: RF input

Pin E: RF output

Pin A, B, C, D, G, H, I, L, F, J: To be Ground

□ : Week Code (Follow the table from planner each year)

Unit : mm (week01, 02, 03…52 =>A, B, C…z)

△ : Product / Year Code

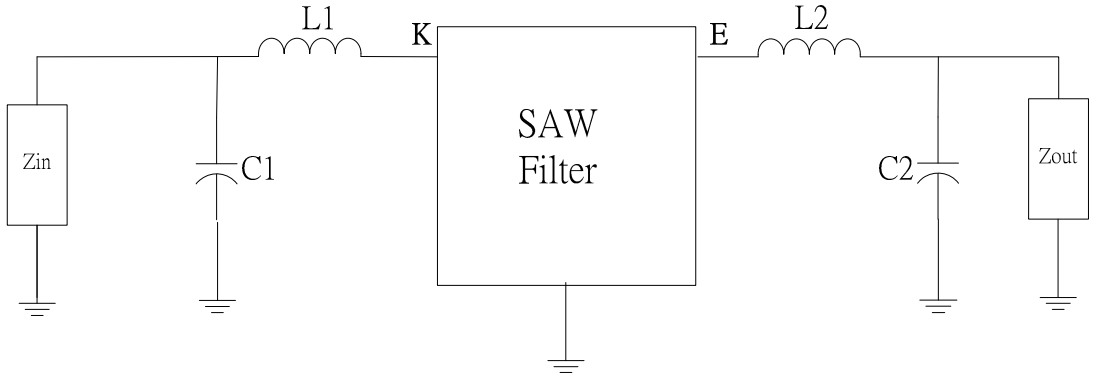
Year	2013 2009	2014 2010	2015 2011	2016 2012
Product Code	B	b	B	b

Date Code Table

WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	**WK15**	**WK16**	**WK17**	**WK18**	**WK19**	**WK20**	**WK21**	**WK22**	**WK23**	**WK24**	**WK25**	**WK26**
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	**WK28**	**WK29**	**WK30**	**WK31**	**WK32**	**WK33**	**WK34**	**WK35**	**WK36**	**WK37**	**WK38**	**WK39**
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	**WK41**	**WK42**	**WK43**	**WK44**	**WK45**	**WK46**	**WK47**	**WK48**	**WK49**	**WK50**	**WK51**	**WK52**
n	o	p	q	r	s	t	u	v	w	x	y	z

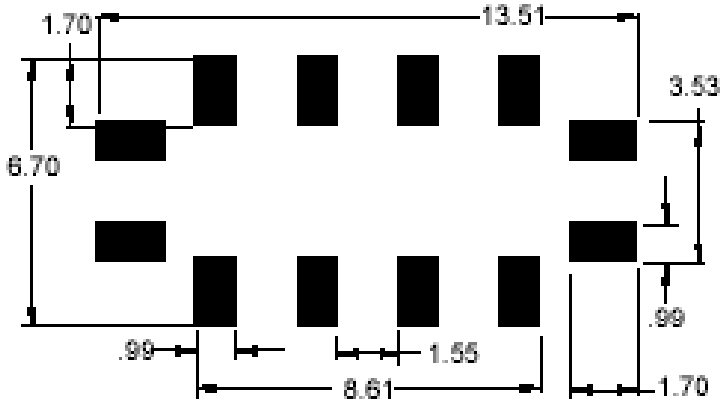
E. Measurement Circuits :

Single In/Output: (Zin = Zout =50Ω)



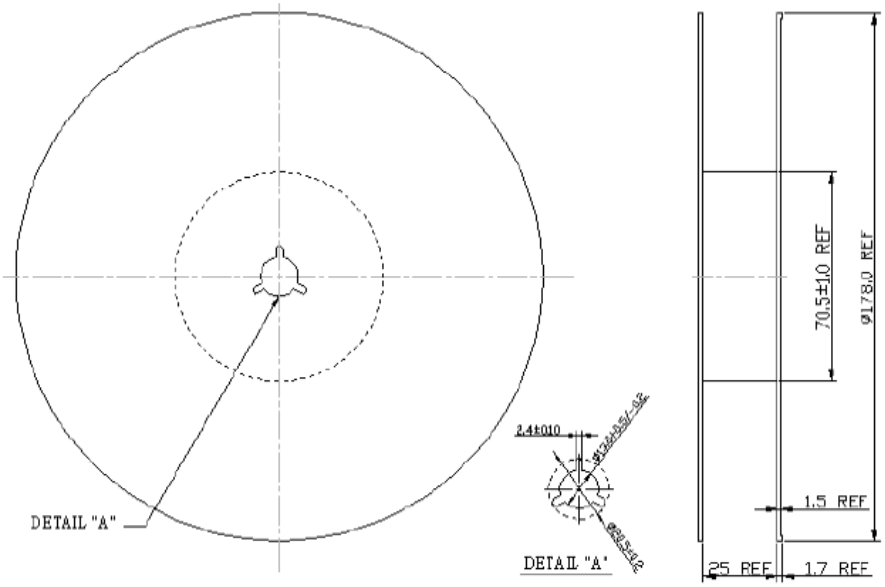
L1=180nH, L2=120nH, C1=18pF, C2=27pF .

F. PCB Footprint

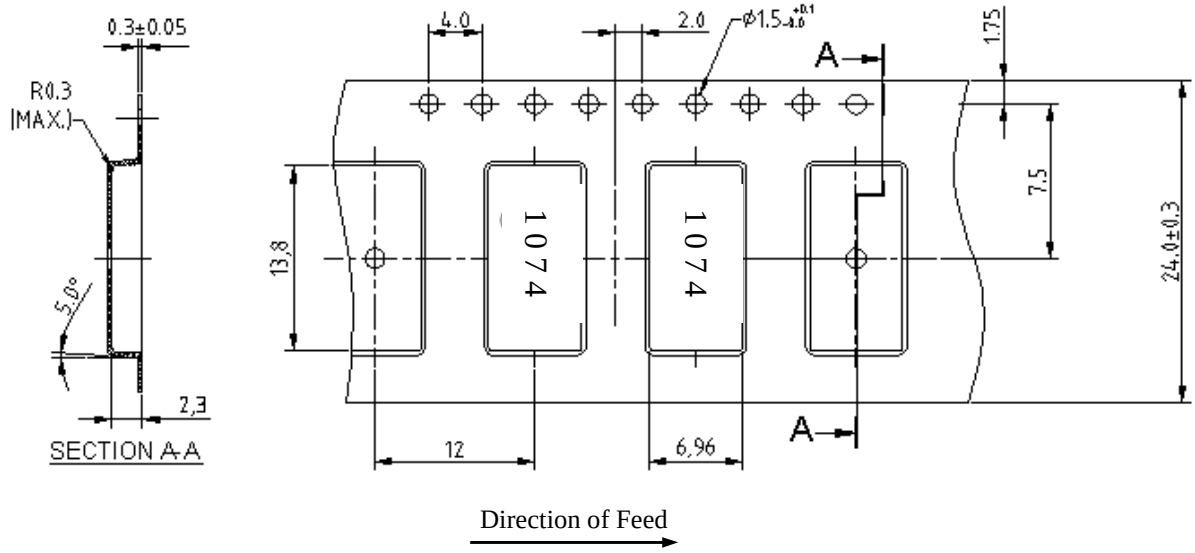


G. Package:

(1). REEL DIMENSION (Reel Count: 7”=500 typ.; 13”=1000 typ.)



(2). TAPE DIMENSION



H. Recommended Reflow Profile :