



# TAI-SAW TECHNOLOGY CO., LTD.

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

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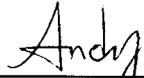
## Product Specifications Approval Sheet

Product Name: SAW Filter 1950MHz BW60MHz SMD1.4X1.1mm

TST Parts No.: TA1397A

Customer Parts No.: \_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: Andy Yu 

Approval by: Francis Chen 

Date: 2012/02/14

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 1950 MHz BW60MHz

MODEL NO.: TA1397A

Rev 1.0

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 0V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -30°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

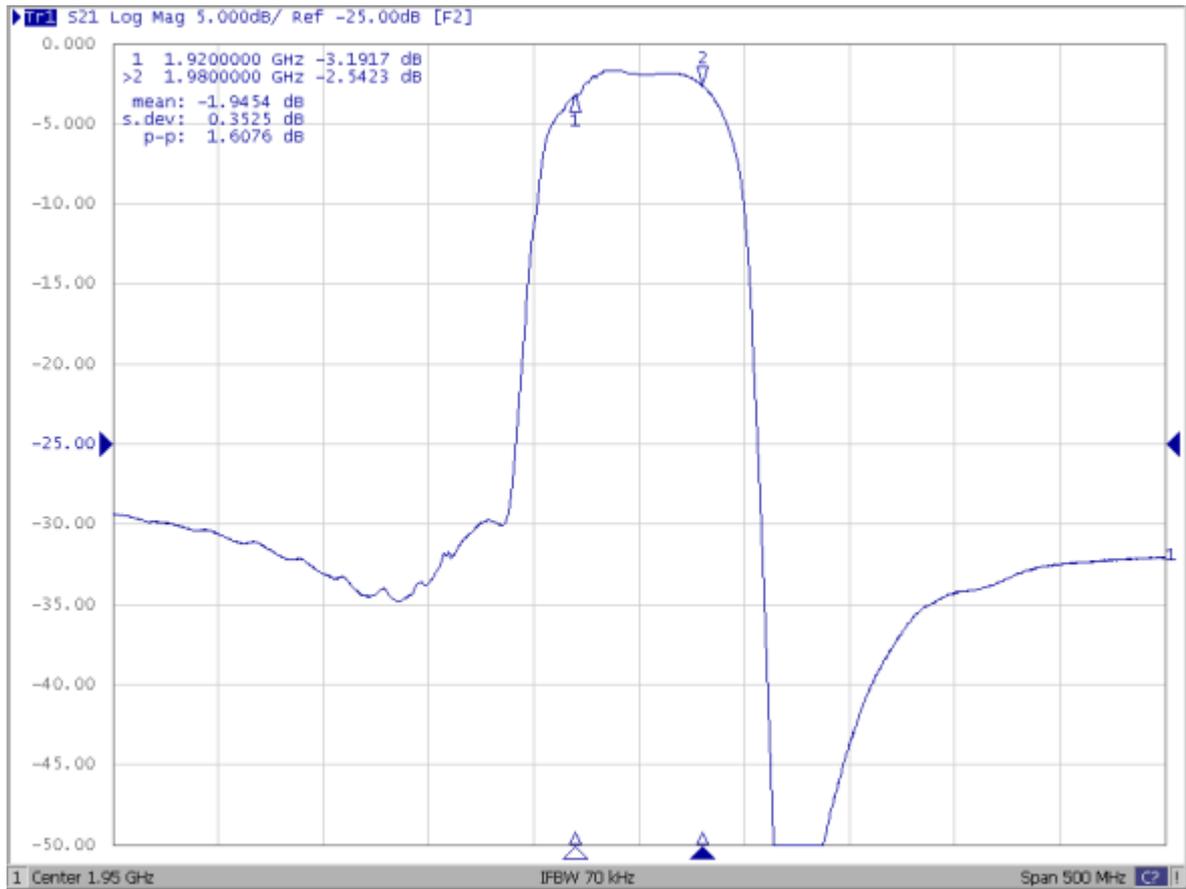
Electrostatic Sensitive Device (ESD)

### B. ELECTRICAL CHARACTERISTICS:

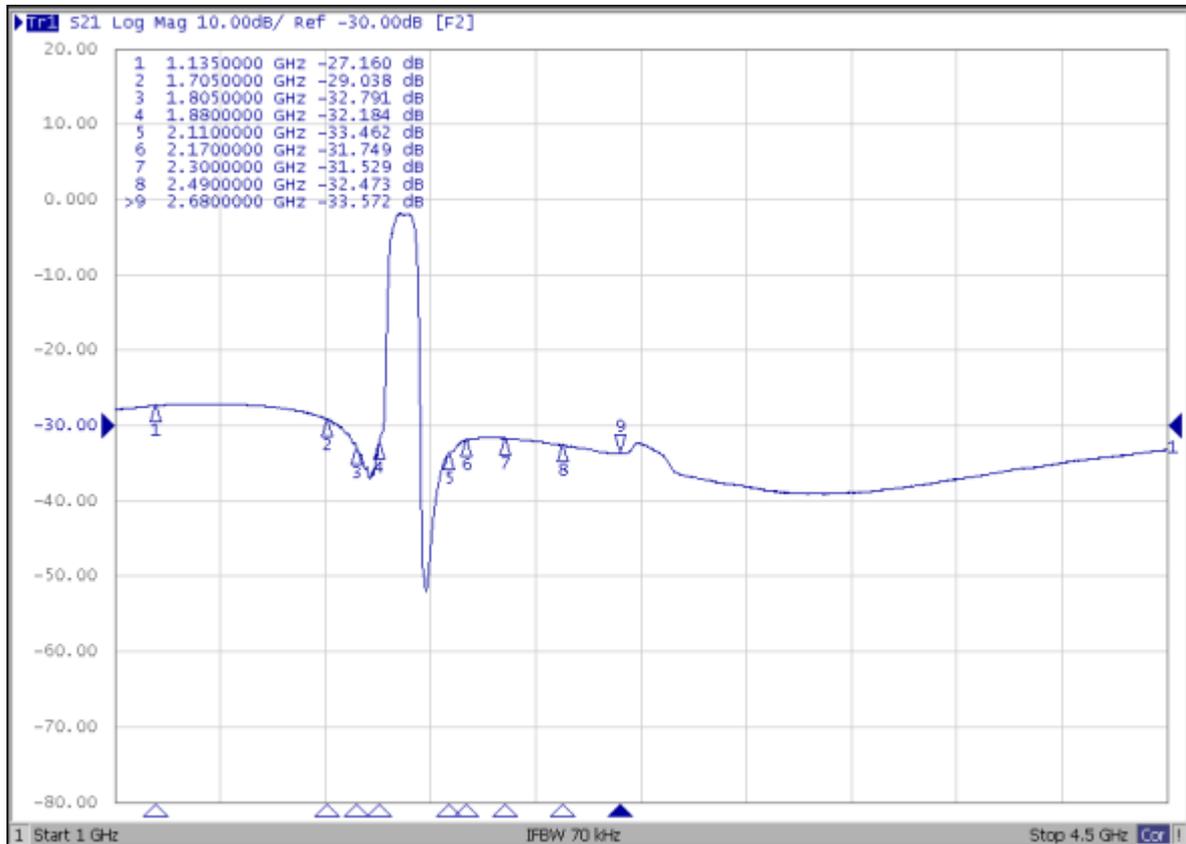
Item	Unit	Min.	Type.	Max.	Note
<b>Center Frequency</b>	<b>Fc</b>	MHz	-	1950	-
<b>Insertion Loss</b> within 1920 ~ 1980MHz	<b>IL</b>	dB	-	2.9	4.2
<b>Amplitude ripple</b> (1920 ~ 1980MHz)		dB	-	1.5	2.2
<b>VSWR</b> (1920 ~ 1980MHz)		dB	-	1.95	2.6
<b>Attenuation</b>					
1135 ~ 1145 MHz	dB	25	27	-	-
1705 ~ 1715 MHz	dB	25	29	-	-
1805 ~ 1880 MHz	dB	25	32	-	-
2110 ~ 2170 MHz	dB	30	33	-	-
2300 ~ 2360 MHz	dB	30	32	-	-
2490 ~ 2550 MHz	dB	30	32	-	-
2680 ~ 2740 MHz	dB	30	33		
3060 ~ 3120 MHz	dB	30	43		
3840 ~ 3960 MHz	dB	30	36		
Package size	mm	SMD 1.4x1.1			

### C.FREQUENCY CHARACTERISTICS:

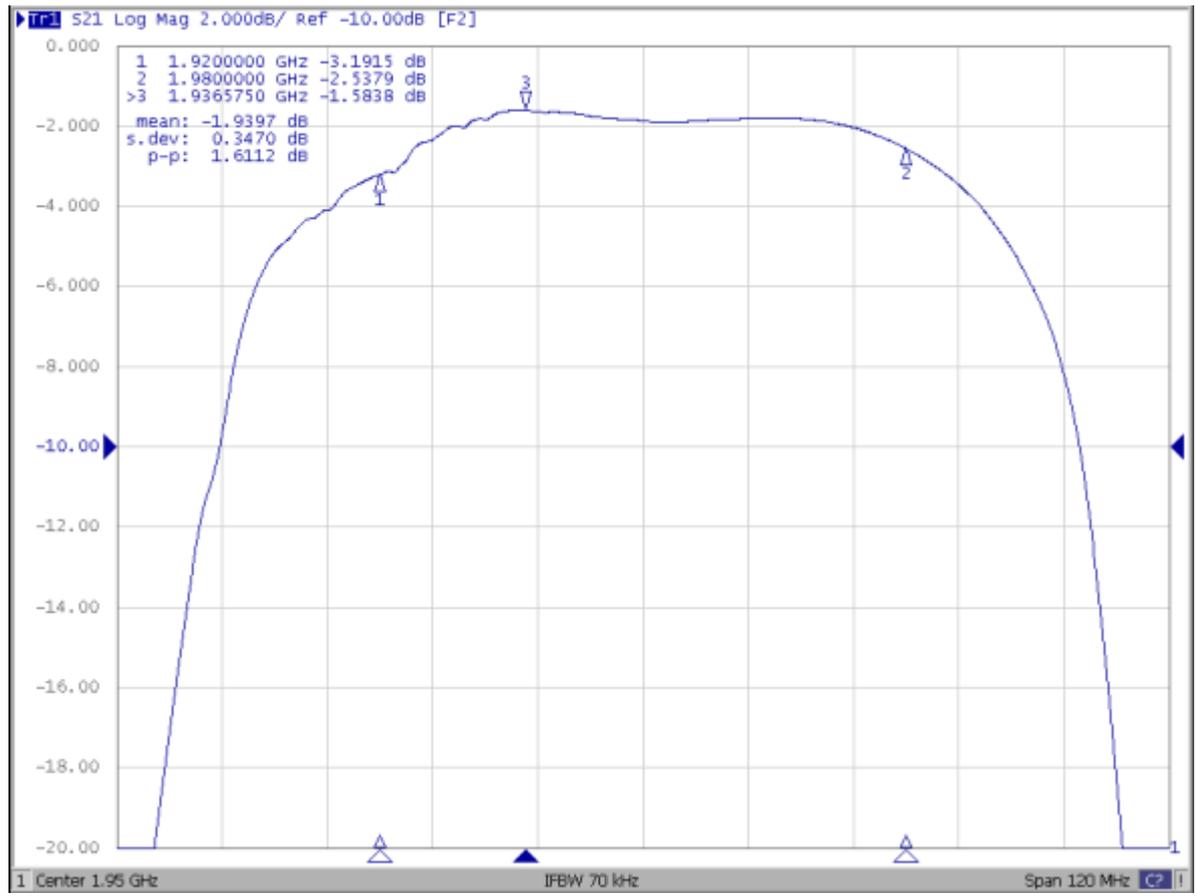
#### S21 response: (span 500MHz)



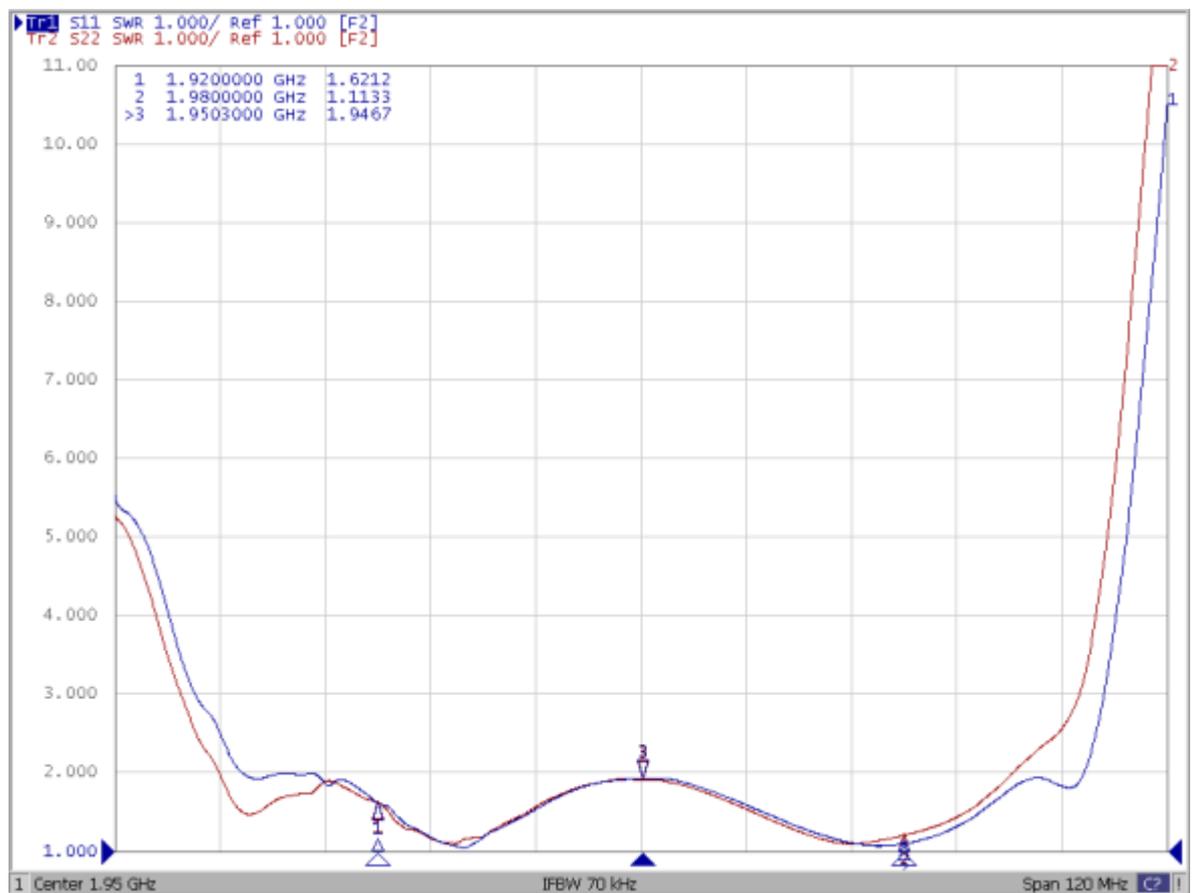
#### S21 response: (span 3GHz)



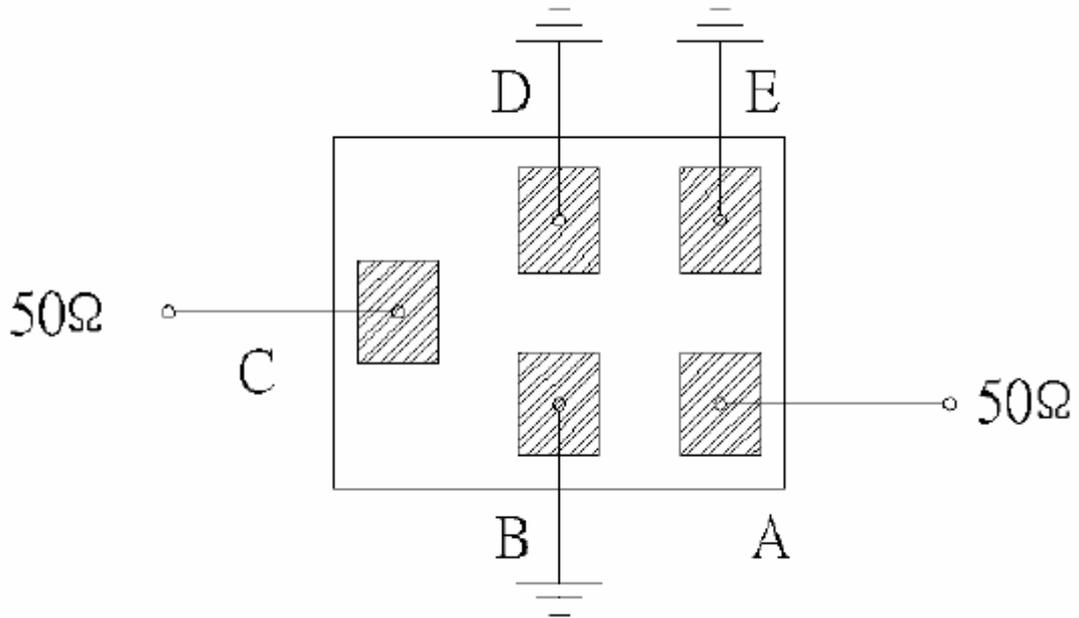
### S21 response: (span 120MHz)



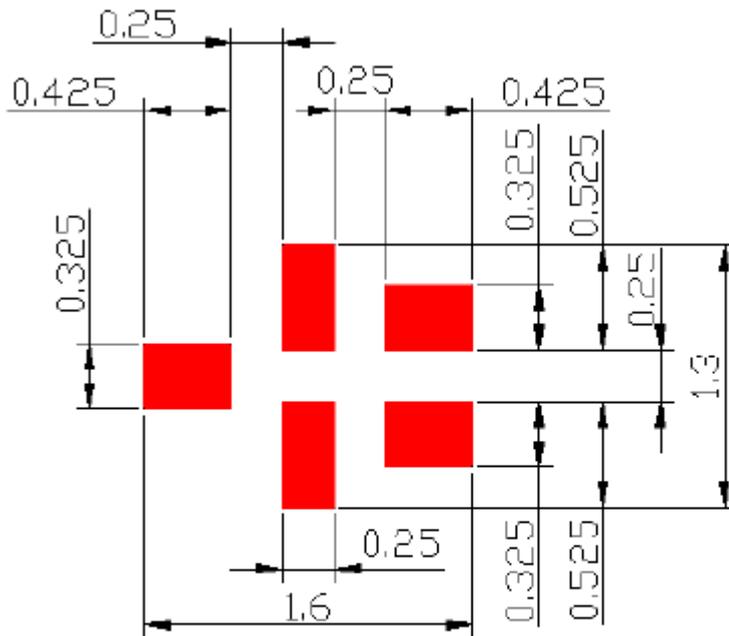
### S21 VSWR: (span 120MHz)



D. MEASUREMENT CIRCUIT:



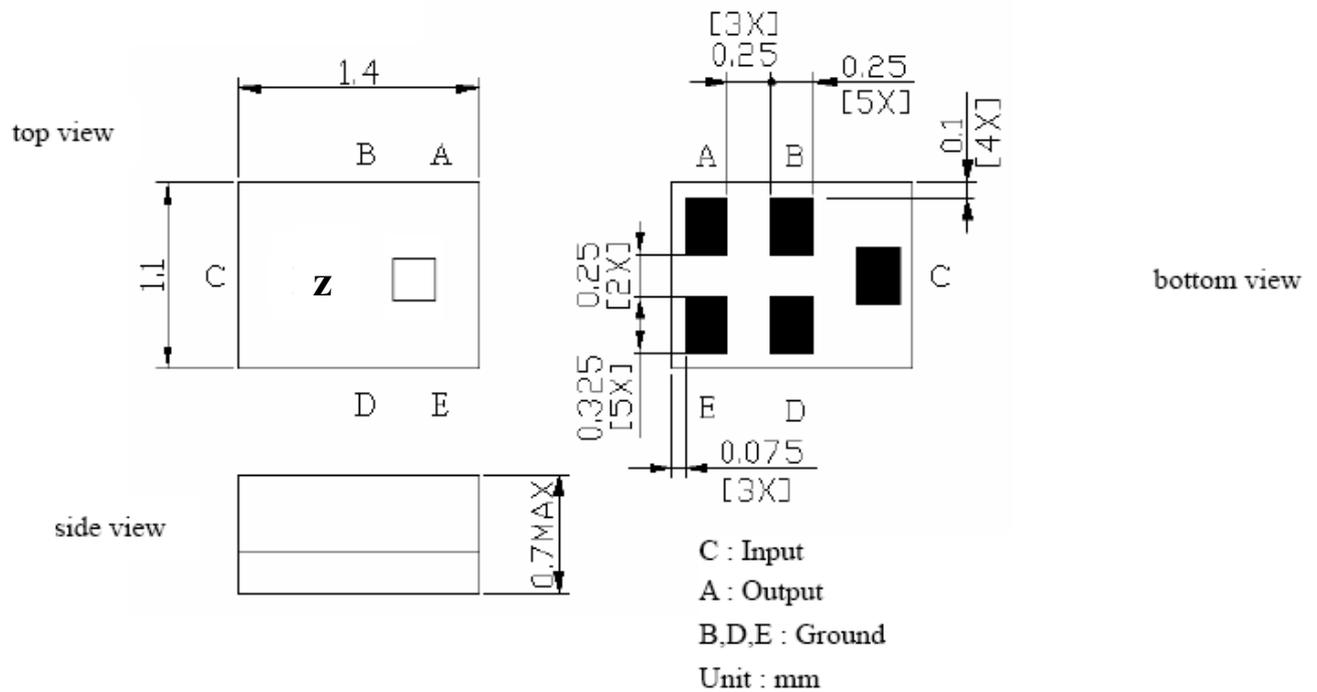
E. PCB FOOTPRINT:



: Land Pattern

Unit : mm

**F. OUTLINE DRAWING:**



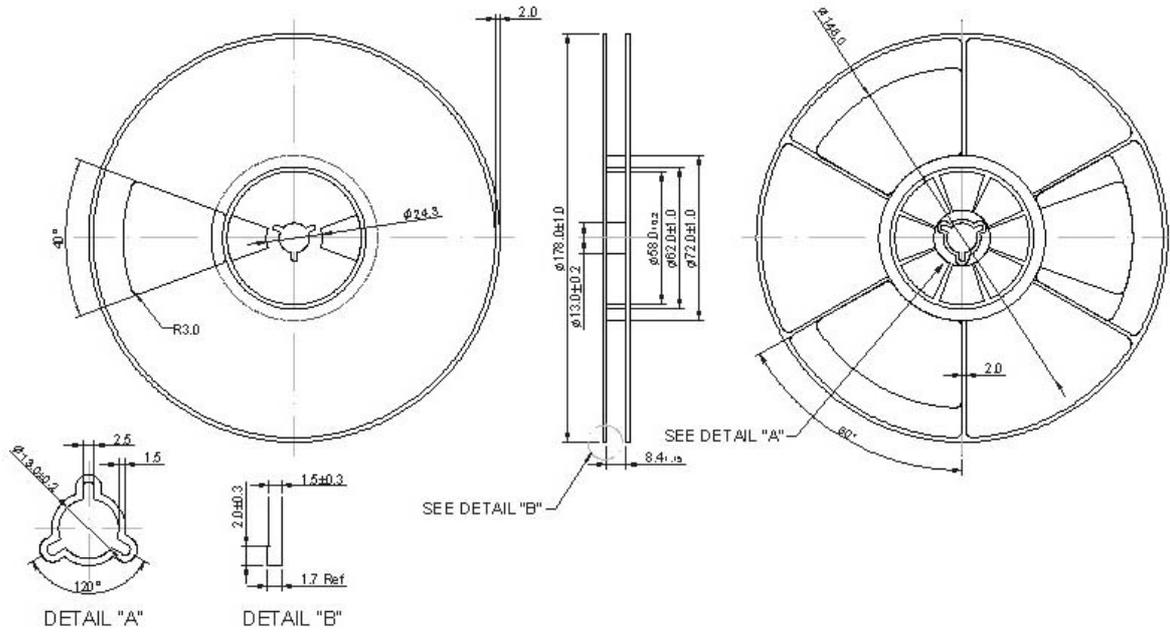
□ : Year/Month Code (Follow the table)

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

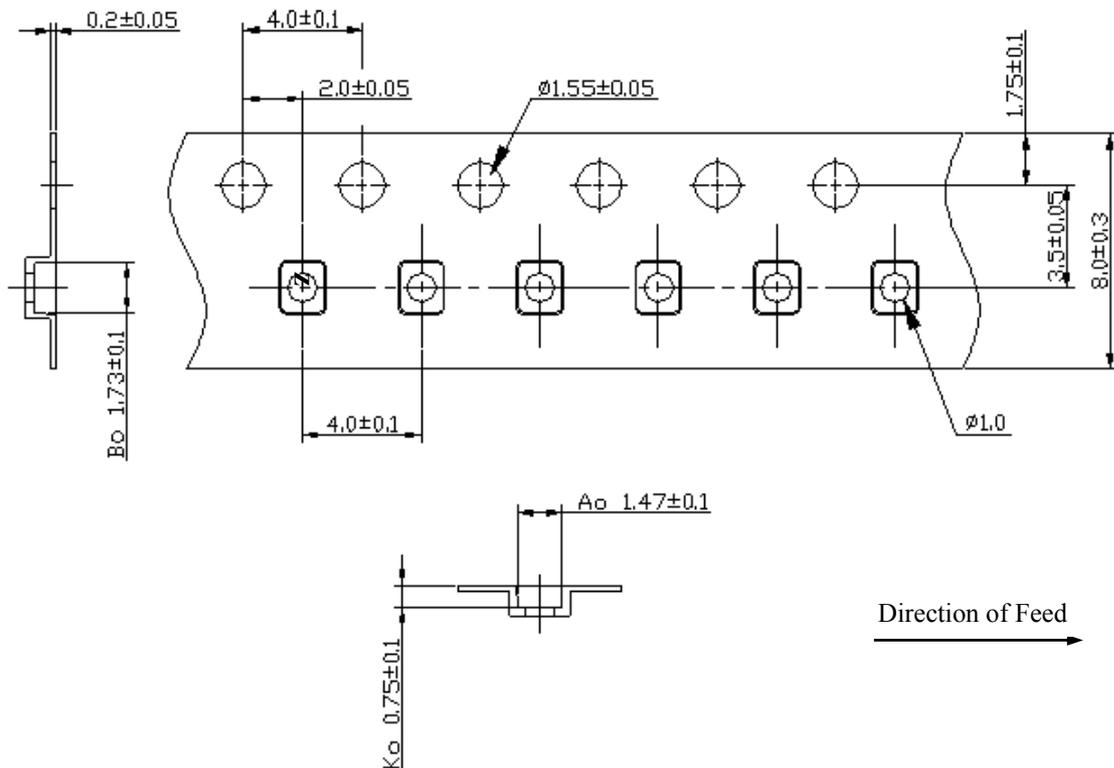
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=3000 )



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

