



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

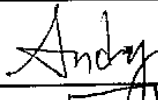
Product Specifications Approval Sheet

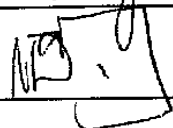
Product Name: SAW Filter 1842.5MHz BW35MHz SMD1.4X1.1mm

TST Parts No.: TA1145A

Customer Parts No.: _____

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

Checked by: Andy Yu 

Approval by: Francis Chen 

Date: 2012/02/20

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 1842.5 MHz BW35MHz

MODEL NO.: TA1145A

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

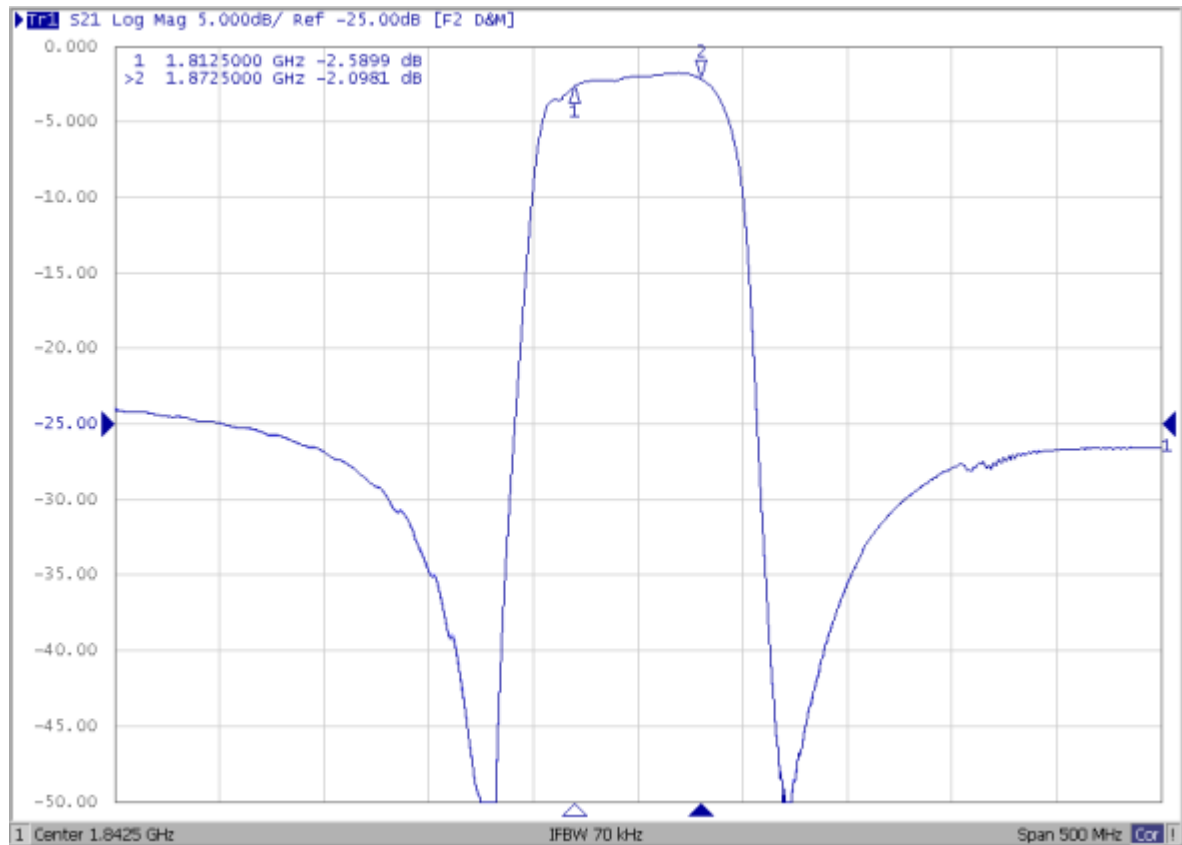
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

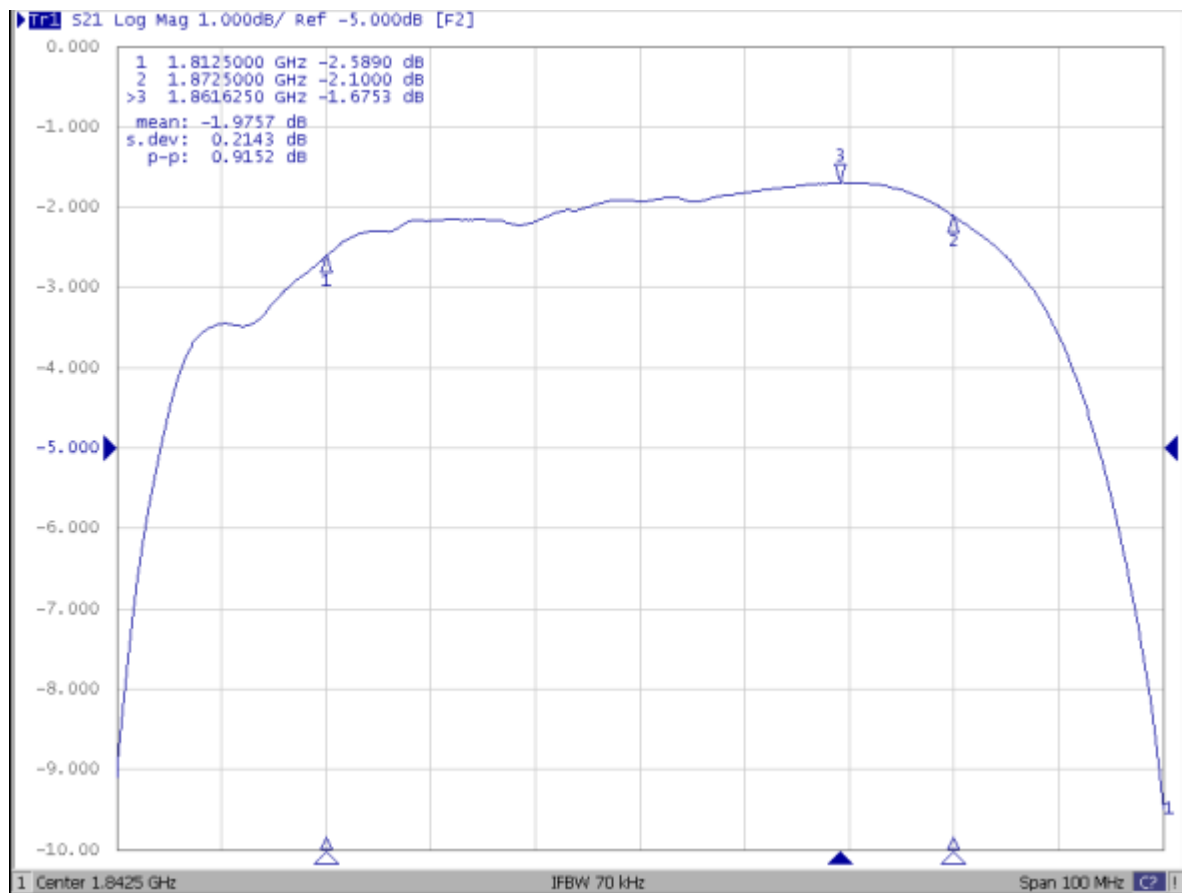
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1842.5	-	-
Insertion Loss within 1825 ~ 1860MHz IL	dB	-	2.5	3.2	-
Amplitude ripple (1825 ~ 1860MHz)	dB	-	1.0	1.8	-
VSWR (1825 ~ 1860MHz)	dB	-	2.0	2.3	-
Attenuation					
D.C ~ 1500 MHz	dB	20	24	-	-
1600 ~ 1710 MHz	dB	22	25	-	-
1710 ~ 1785 MHz	dB	15	28	-	-
1920 ~ 3120 MHz	dB	25	28	-	-
3120 ~ 4000 MHz	dB	25	30	-	-
Package size	mm	SMD 1.4x1.1			

C.FREQUENCY CHARACTERISTICS:

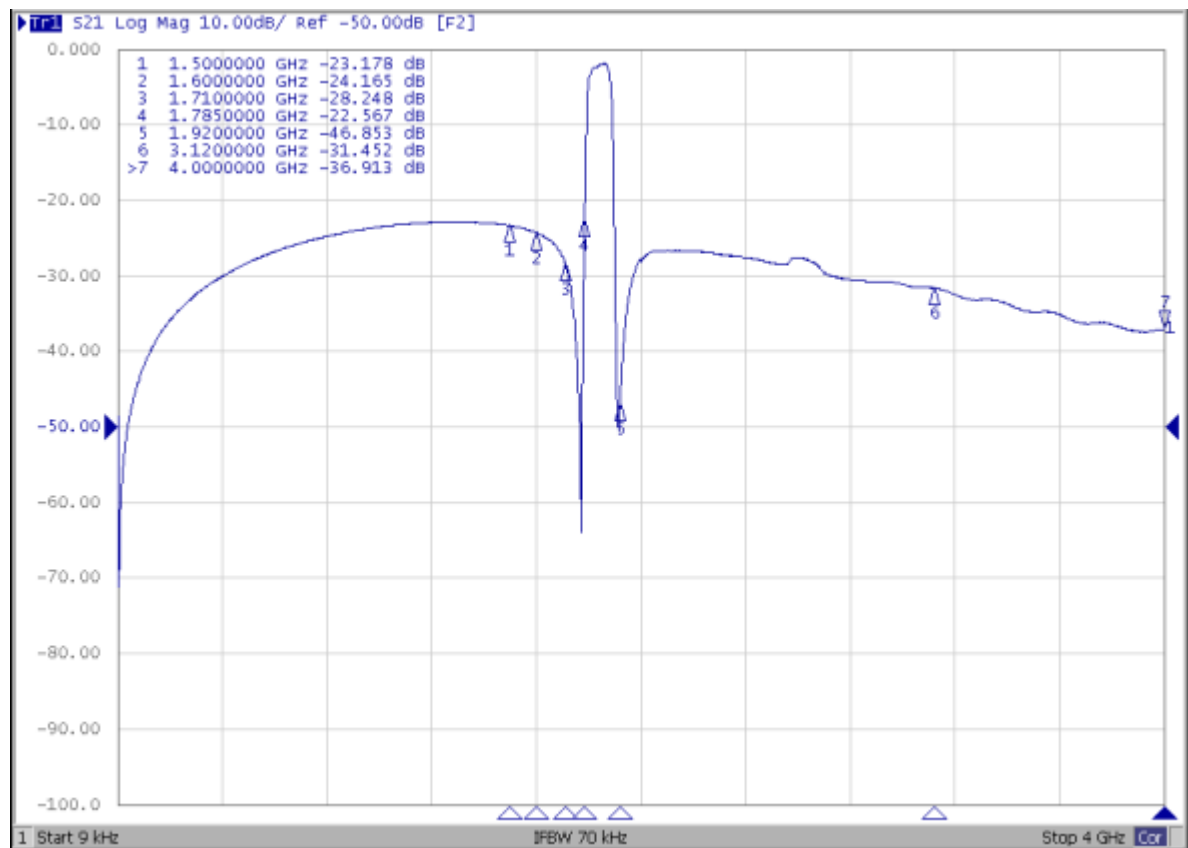
S21 response: (span 500MHz)



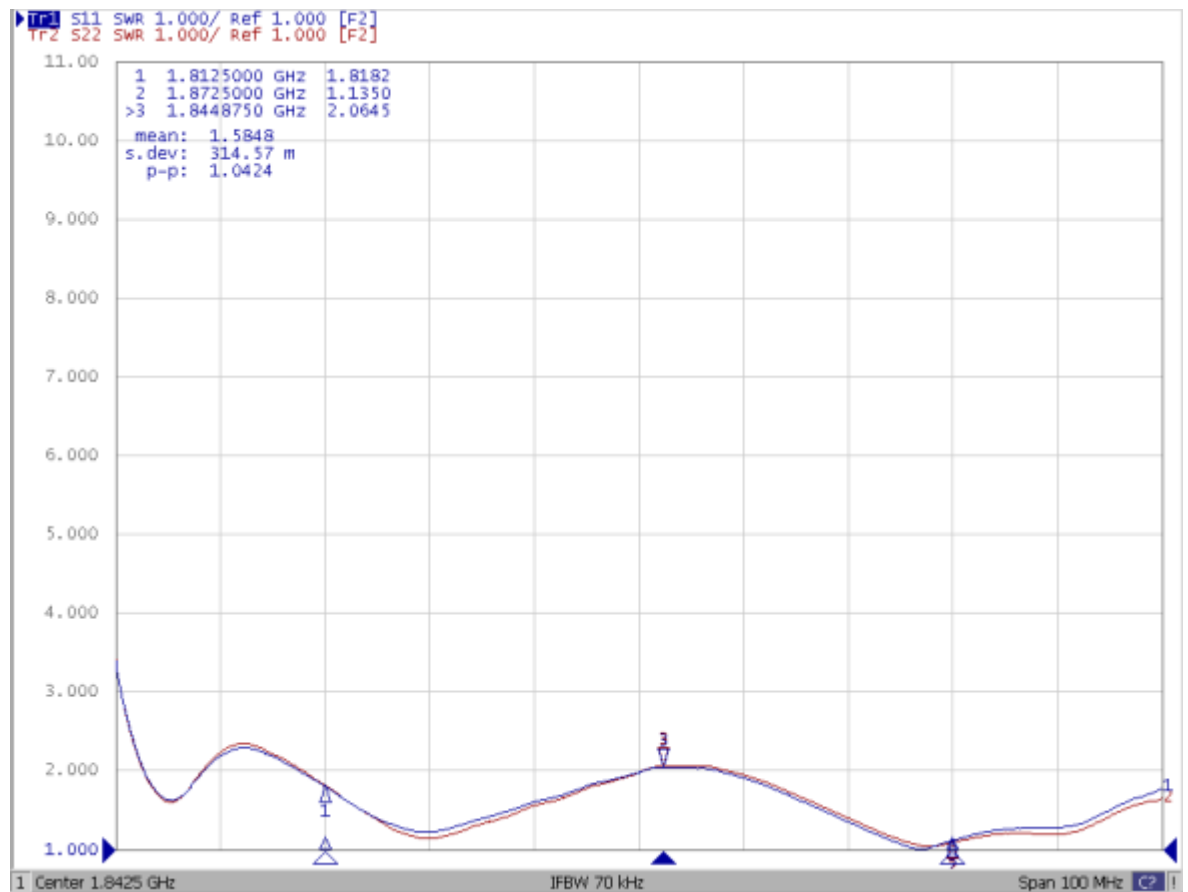
S21 response: (span 100MHz)



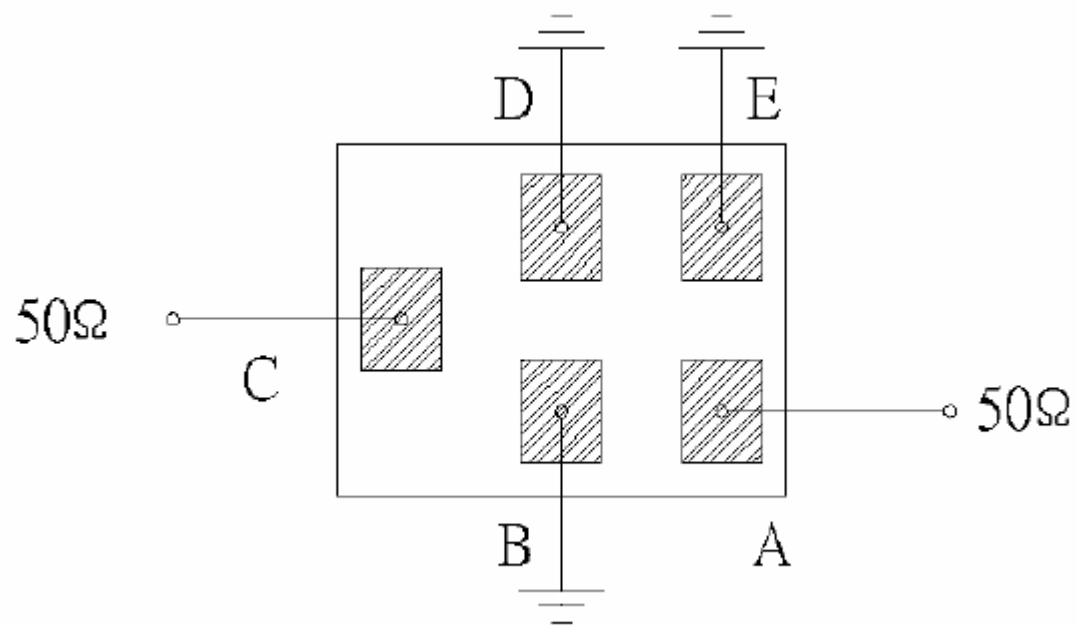
S21 response: (span 4GHz)



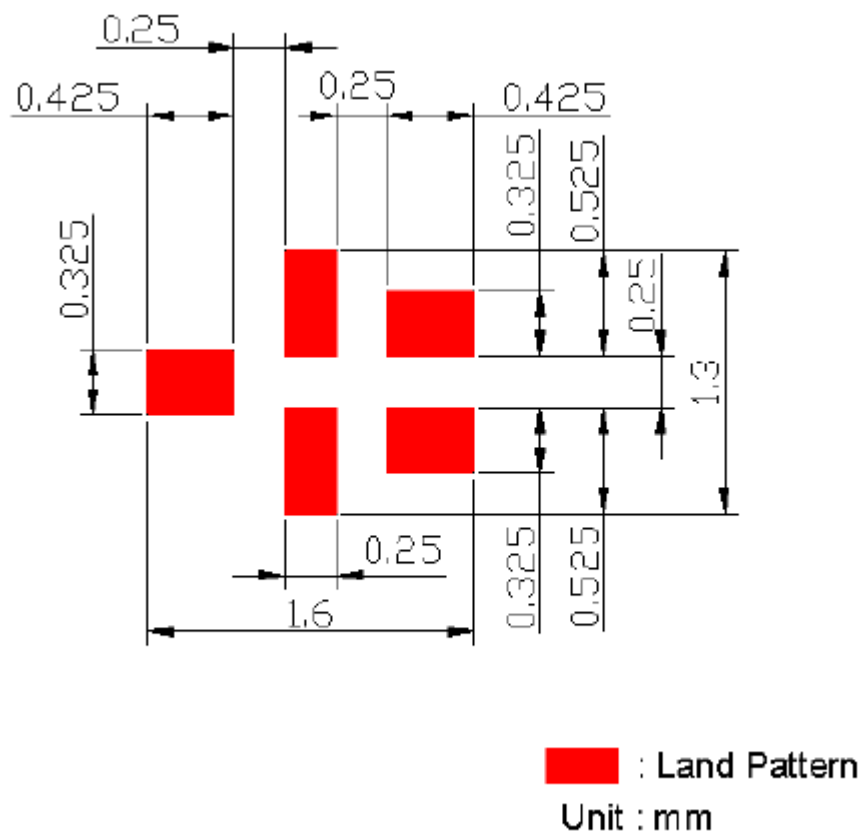
S11&S22 VSWR: (span 100MHz)

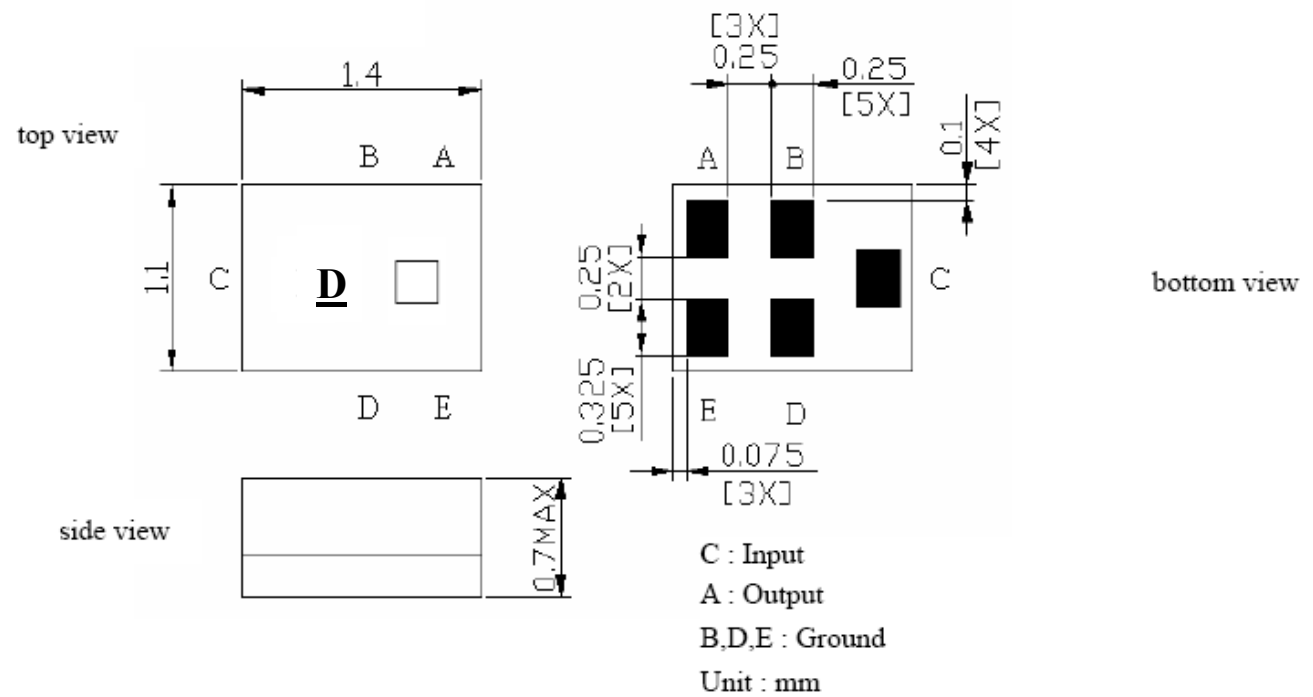


D. MEASUREMENT CIRCUIT:



E. PCB FOOTPRINT:





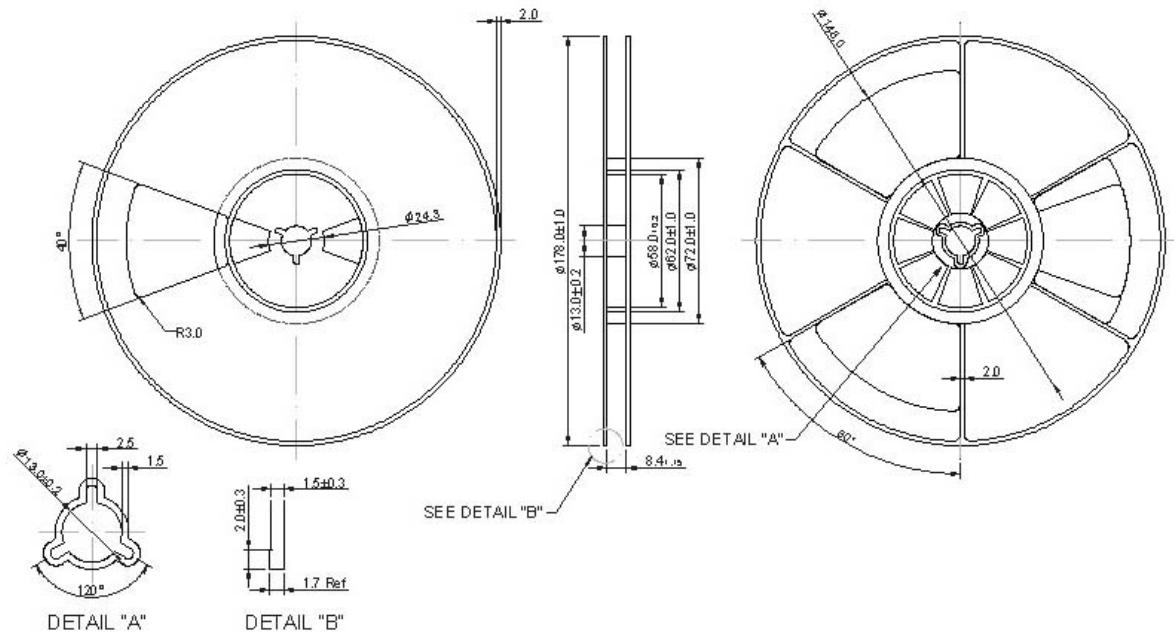
☐ : Year/Month Code (Follow the table)

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

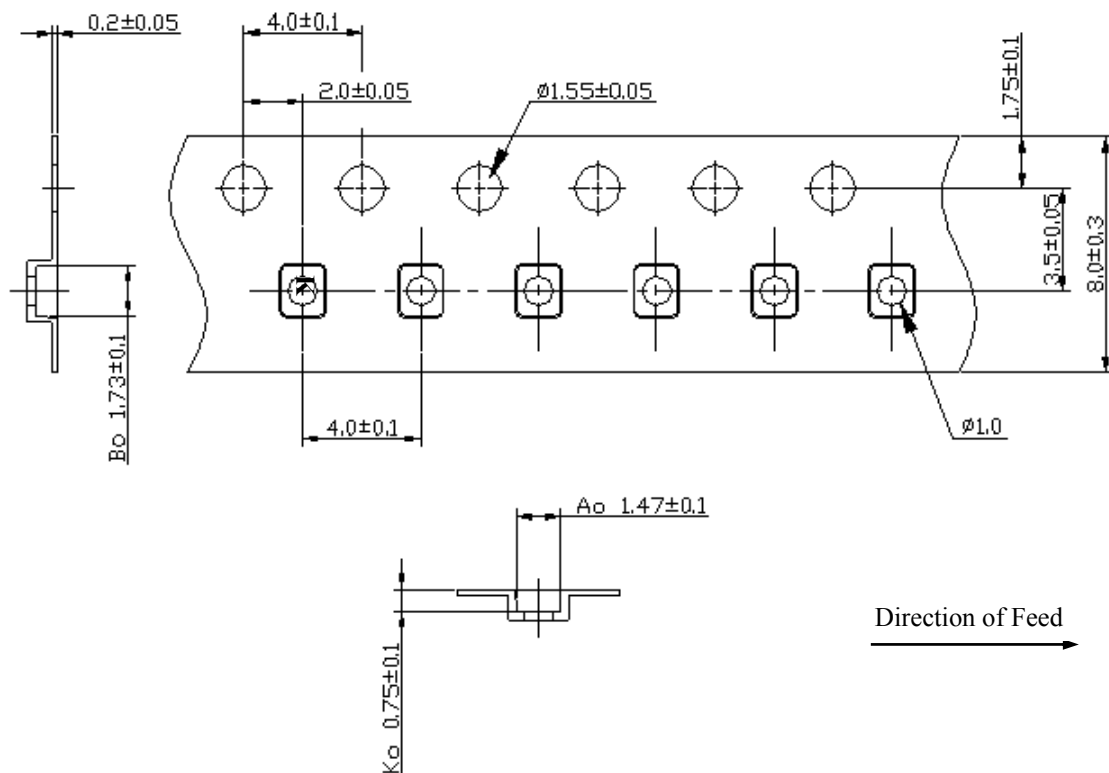
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=3000)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

