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 1202 MHz SMD 1.4X1.1 mm (BW=72MHz)

TST Part No.: TA2663A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Bob Chau

Approved by: Andy Yu

Date: 6, 29, 2020

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 1202MHz

MODEL NO.:TA2663A REV. NO.:1

A. MAXIMUM RATING:

RoHS Compliant

Lead-free soldering

1. Input Power Level: 15 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40℃ to +105℃
4. Storage Temperature: -40℃ to +105℃
5. ESD Machine Mode : 50V
6. ESD Human Body Mode : 100V
7. Moisture Sensitive Level (MSL): Level 3

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

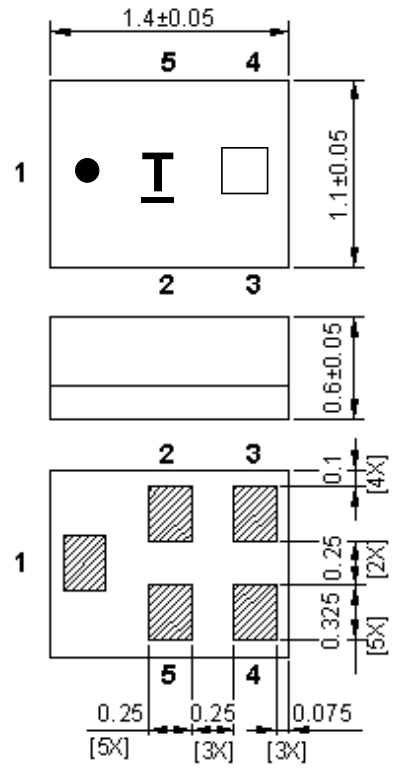
B. ELECTRICAL CHARACTERISTICS:

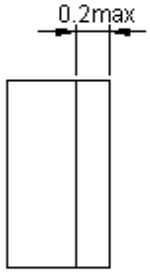
Terminating source impedance : Zs = 50 Ω

Terminating load impedance : Z_L = 50 Ω

Item		Unit	Min.	Typ.	Max.	Note
Center Frequency	**Fc**	MHz	-	1202	-	-
Insertion Loss (1166~1238 MHz)	**IL**	dB	-	2.4	4	-
Amplitude ripple (1166~1238 MHz)		dB	-	1	2	-
Attenuation (reference level from 0 dB)						
100~1106 MHz		dB	30	34	-	-
1106~1136 MHz		dB	20	32	-	-
1268~1318 MHz		dB	20	37	-	-
1318~1800 MHz		dB	25	35	-	-
1800~2000 MHz		dB	30	45	-	-
2400~2500 MHz		dB	30	40	-	-
Temperature Coefficient of Frequency		ppm/℃	-	-36	-	-

C.OUTLINE DRAWING:





bottom view

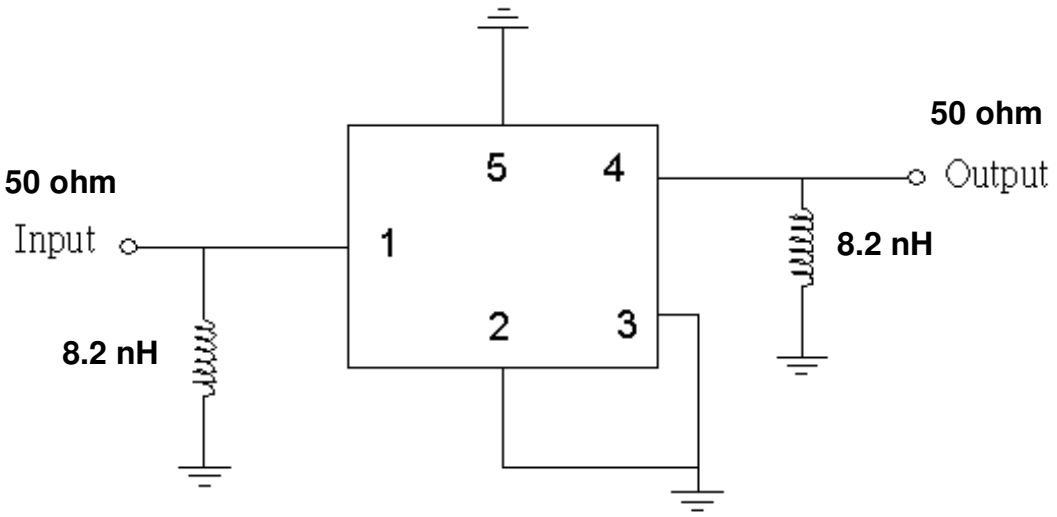
All tolerances are +/-0.05 mm unless otherwise specified
Coplanarity : 0.1 mm max.
1 to 5 : Pin No.
Unit : mm

Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

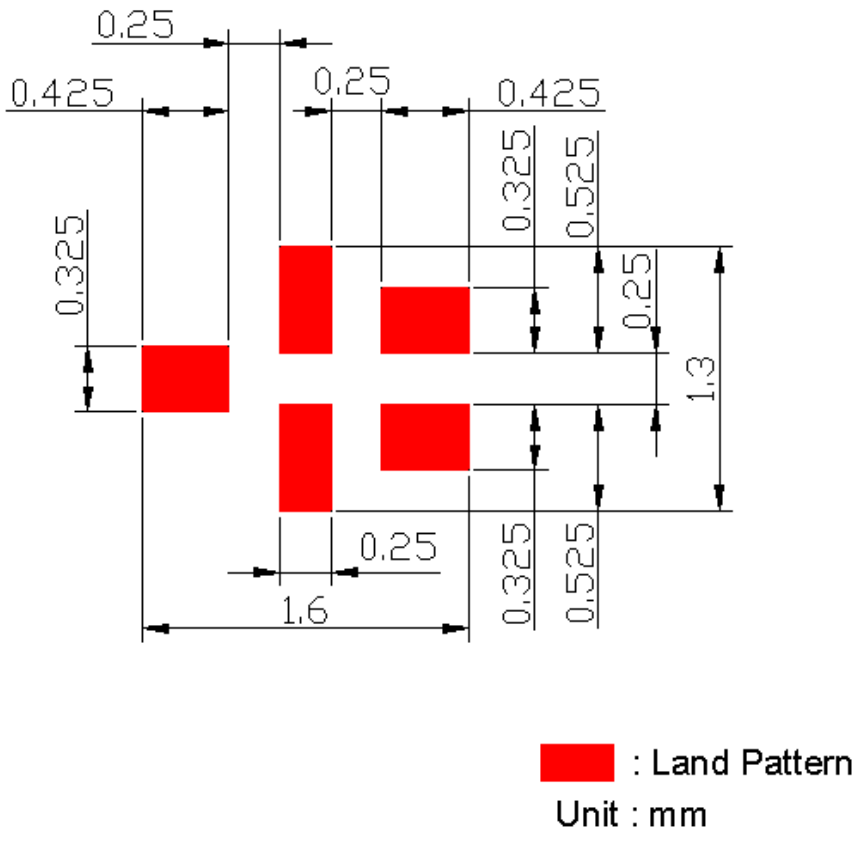
□ : Year/Month Code (Follow the table)

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
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**
2015	**a**	**b**	**c**	**d**	**e**	**f**	**g**	**h**	**j**	**k**	**l**	**m**
2016	**n**	**p**	**q**	**r**	**s**	**t**	**u**	**v**	**w**	**x**	**y**	**z**
2017	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**J**	**K**	**L**	**M**
2018	**N**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
2019	**a**	**b**	**c**	**d**	**e**	**f**	**g**	**h**	**j**	**k**	**l**	**m**
2020	**n**	**p**	**q**	**r**	**s**	**t**	**u**	**v**	**w**	**x**	**y**	**z**

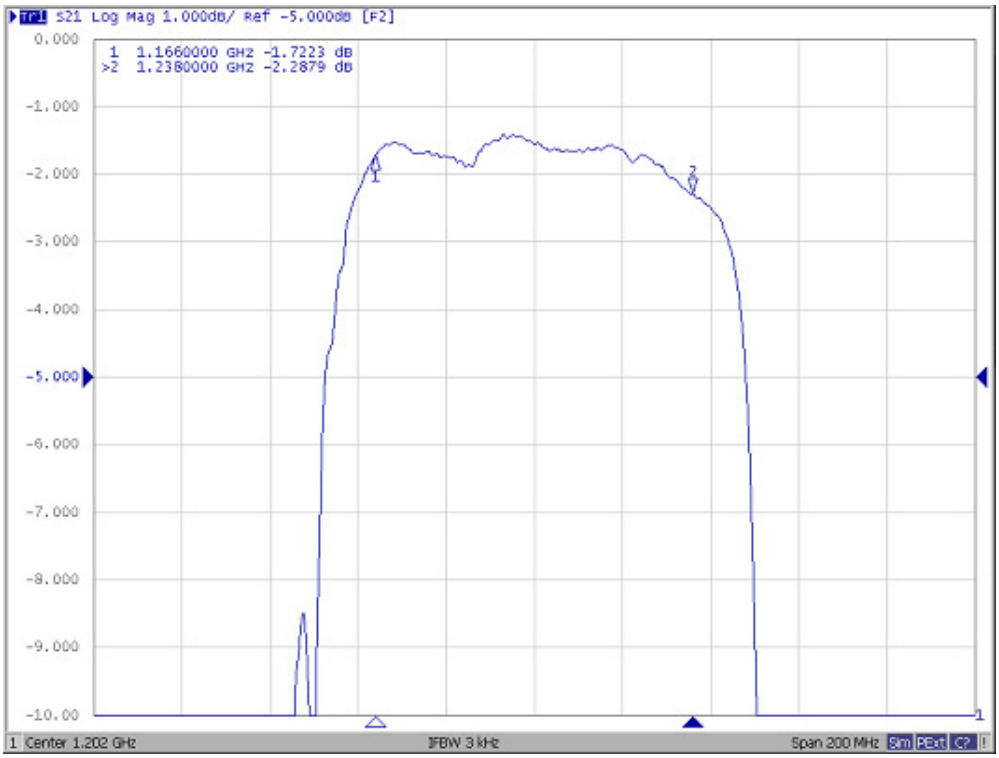
D. MEASUREMENT CIRCUIT:

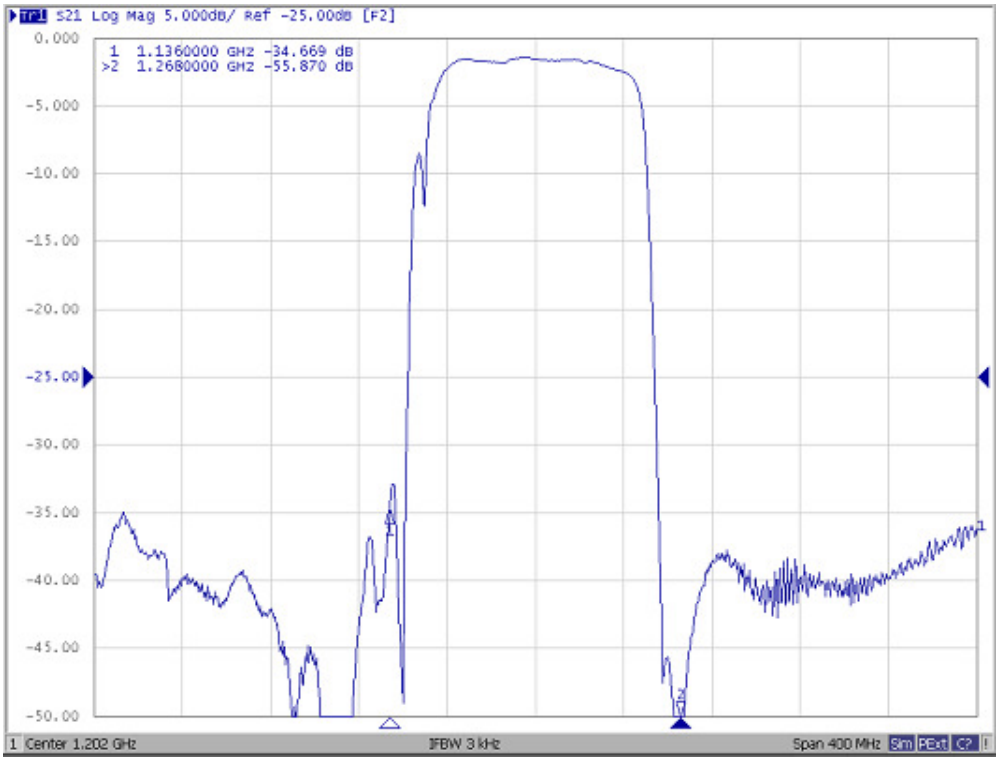


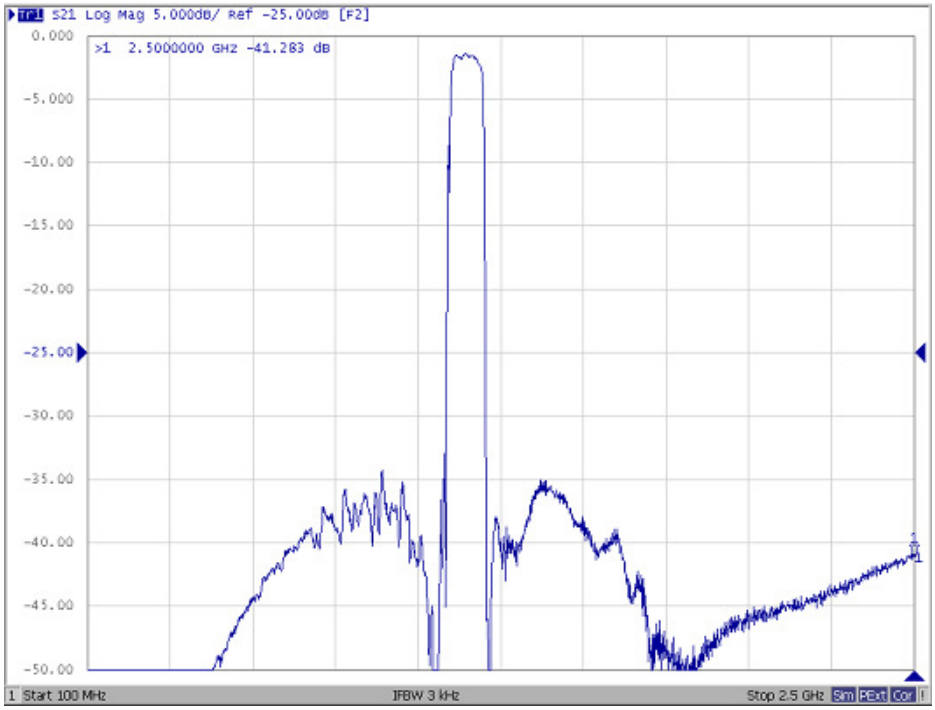
E. PCB Footprint:

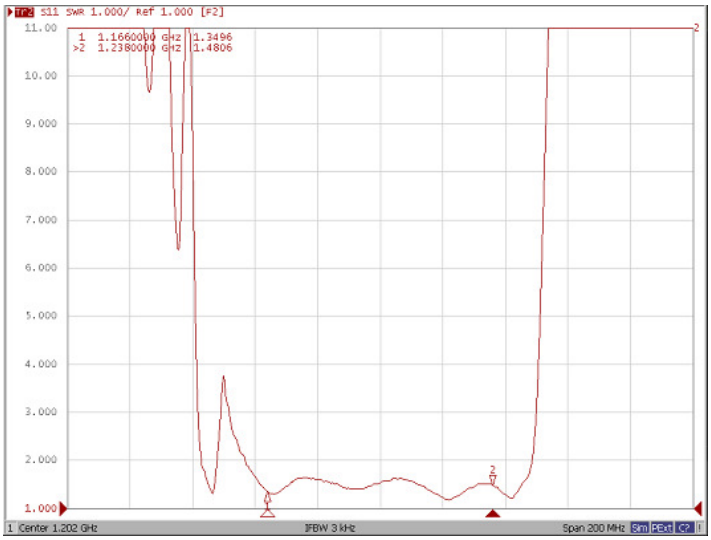


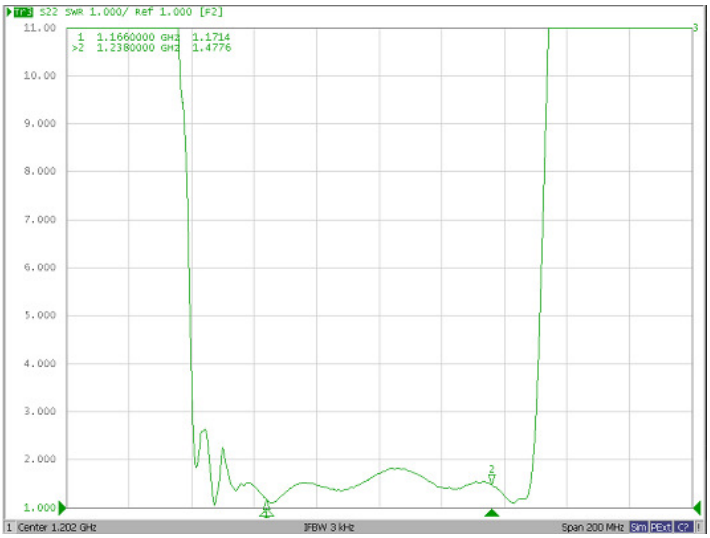
F. Frequency Characteristics:






S21 Log Mag 5.000dB/ Ref -25.00dB [F2]
>1 2.5000000 GHz -41.283 dB
0.000
-5.000
-10.00
-15.00
-20.00
-25.00
-30.00
-35.00
-40.00
-45.00
-50.00
1 Start 100 MHz
IFBW 3 kHz
Stop 2.5 GHz

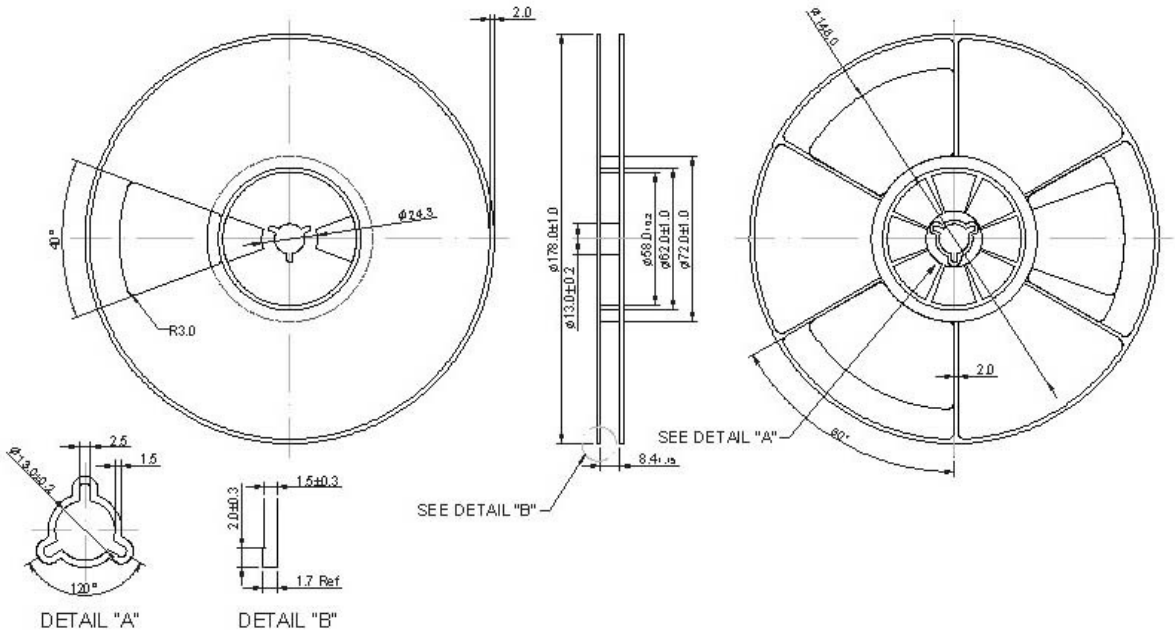

S11 SWR 1.000/ Ref 1.000 [F2]
1 1.1660000 GHz 1.3496
>2 1.2380000 GHz 1.4806
11.00
10.00
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
1 Center 1.202 GHz
IFBW 3 kHz
Span 200 MHz


S22 SWR 1.000/ Ref 1.000 [F2]
1 1.1660000 GHz 1.1714
>2 1.2380000 GHz 1.4776
11.00
10.00
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
1 Center 1.202 GHz
IFBW 3 kHz
Span 200 MHz

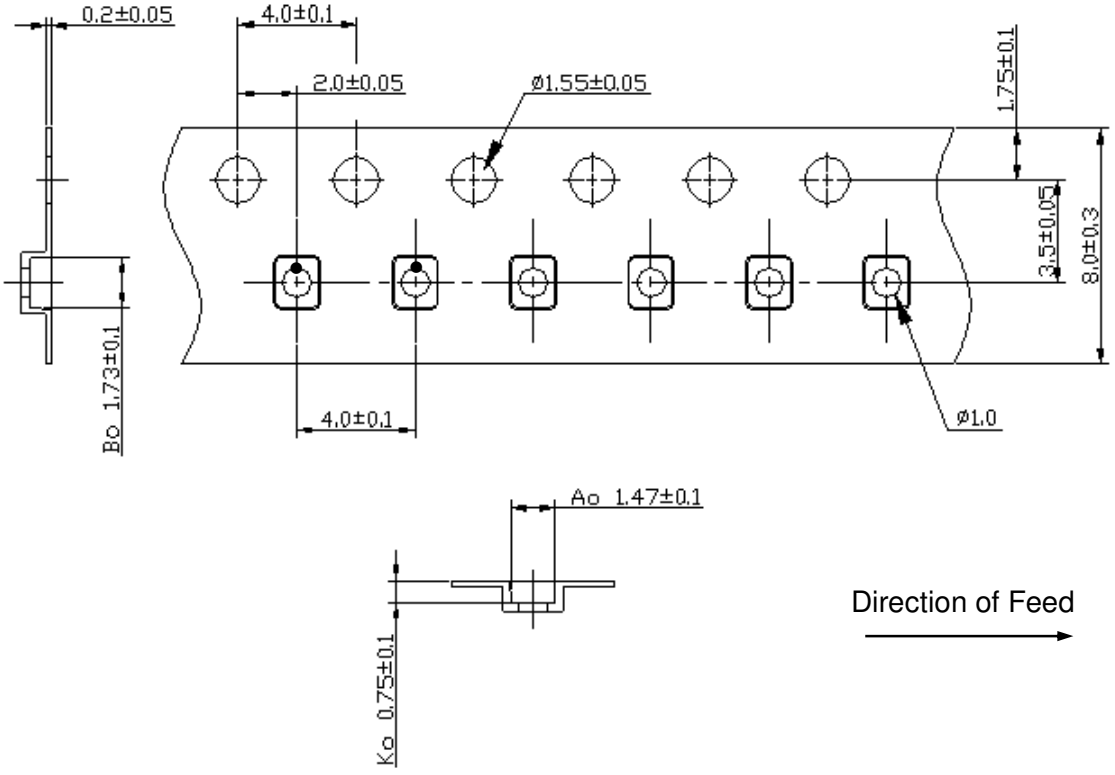
F. <u>PACKING</u>:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2.TAPE DIMENSION



G. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 245~260℃ peak (min. 10sec).
4. Time : 2 times.

