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 752.5 MHz SMD 1.4 x 1.1mm

TST Part No.: TA2082A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Sam Lin

Approved by: Bob Chao

Date: 2017/04/06

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 752.5MHz SMD 1.4X1.1 mm (BW=25MHz)

MODEL NO.:TA2082A REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20℃ to +70℃
4. Storage Temperature: -40℃ to +85℃

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

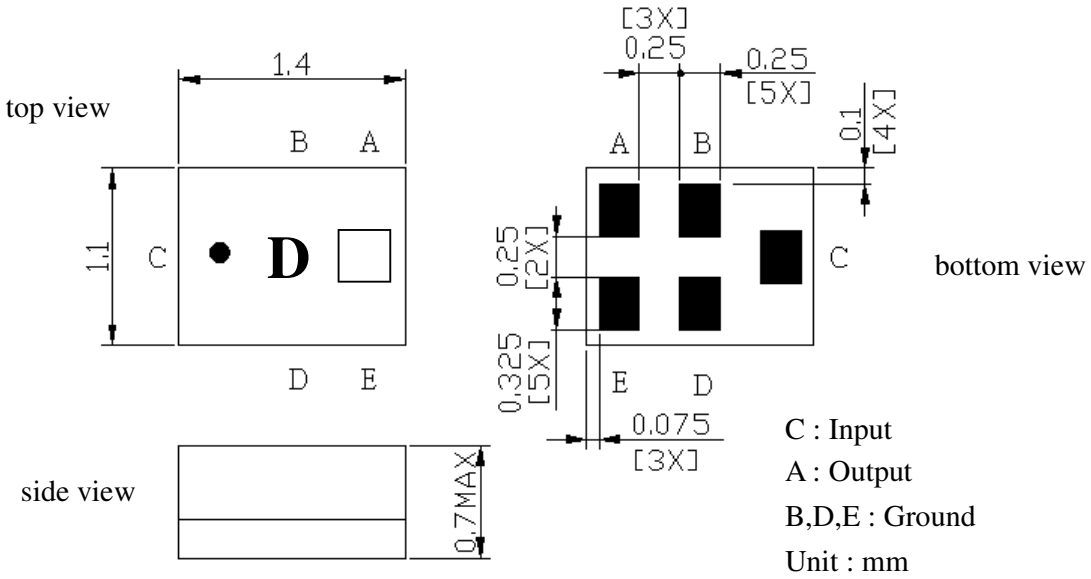
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance : $Z_S = 50\ \Omega$

Terminating load impedance : $Z_L = 50\ \Omega$

Item	Unit	Min.	Type.	Max.
Center Frequency	MHz	-	752.5	-
Insertion Loss (740 ~ 765 MHz)	dB	-	2.1	3.1
Amplitude ripple (740 ~ 765 MHz)	dB	-	1.0	1.8
VSWR (740 ~ 765 MHz)		-	2.2	**2.5**
Attenuation				
10 ~ 640 MHz	dB	40	55	-
640 ~ 722.5 MHz	dB	30	35	-
772.5 ~ 788 MHz	dB	8	19	-
788 ~ 865 MHz	dB	**23**	25	-
865 ~ 3000 MHz	dB	40	43	-
Temperature Coefficient of Frequency	ppm/C°	-	-36	-

C.OUTLINE DRAWING:

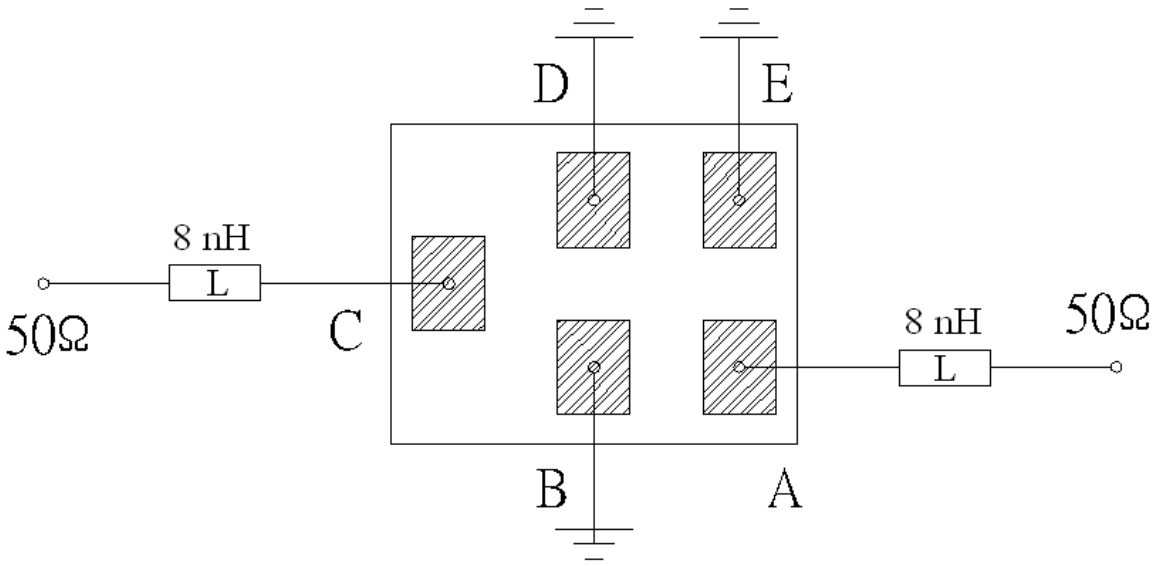


□ : Year/Month Code (Follow the table)

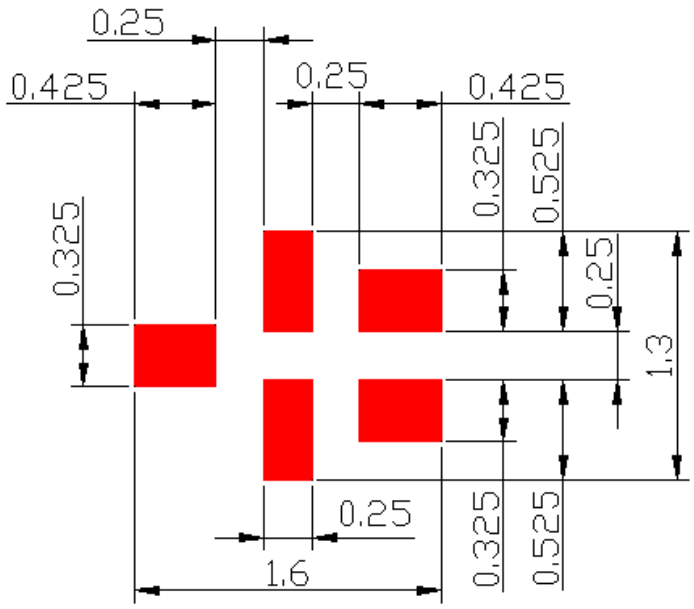
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**J**	**K**	**L**	**M**
2014	**N**	**P**	**Q**	**R**	**S**	**T**	**U**	**V**	**W**	**X**	**Y**	**Z**
2015	**a**	**b**	**c**	**d**	**e**	**f**	**g**	**h**	**j**	**k**	**l**	**m**
2016	**n**	**p**	**q**	**r**	**s**	**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:

* By Network analyzer simulation matching with port extension



E. PCB Footprint:

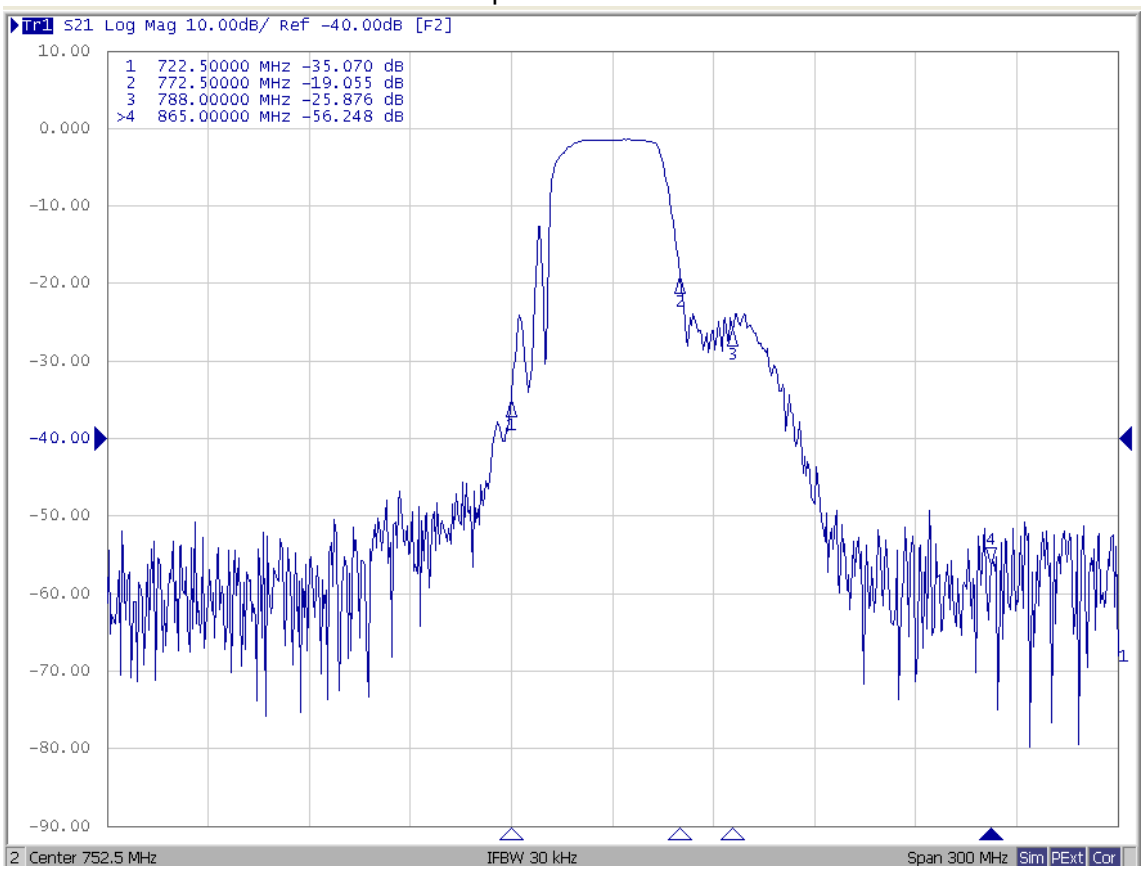


: Land Pattern

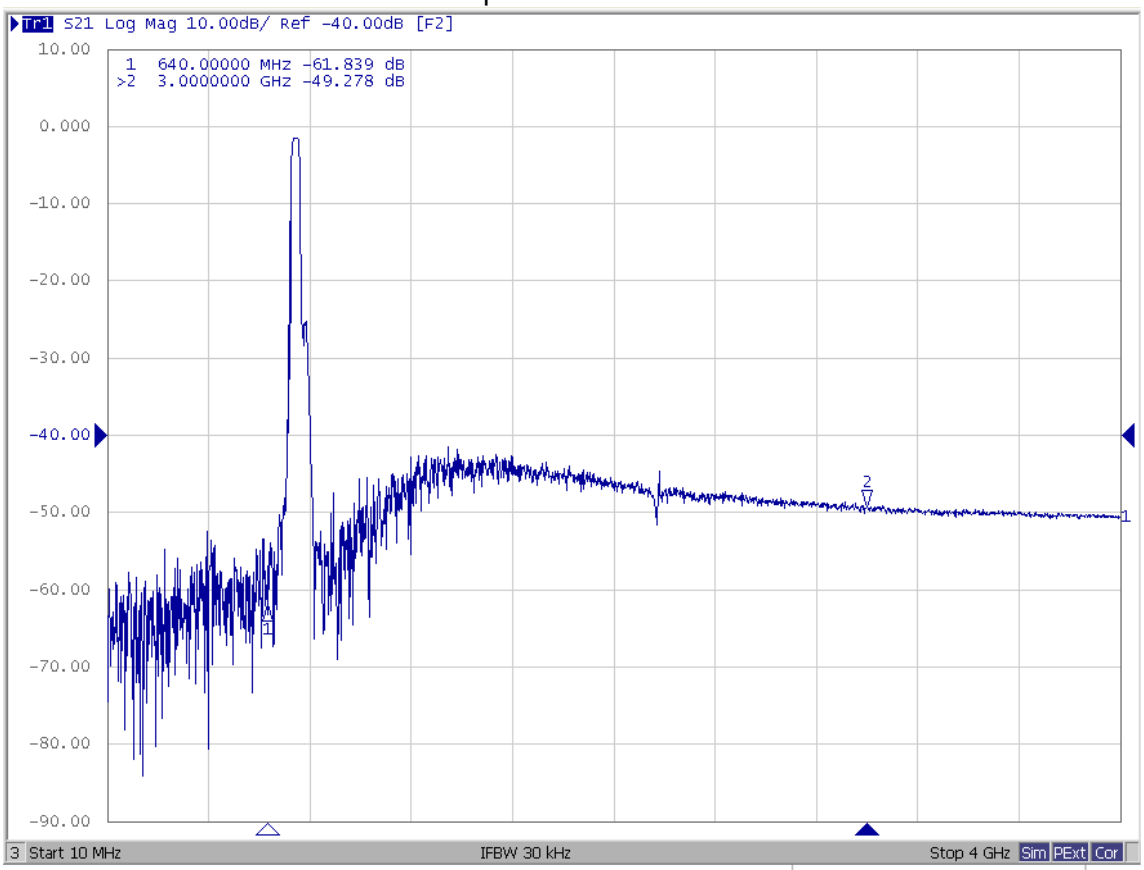
Unit : mm

F. Frequency Characteristics :

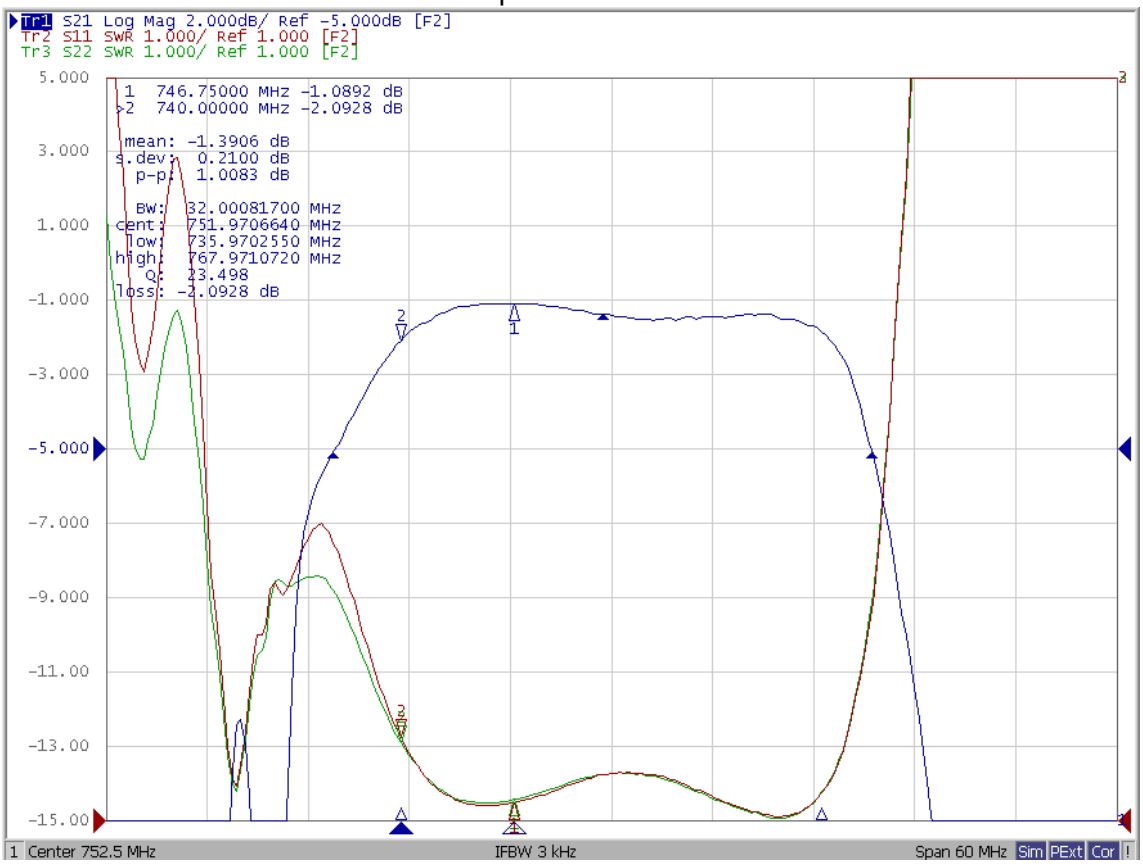
Span 400 MHz



Span 4000 MHz

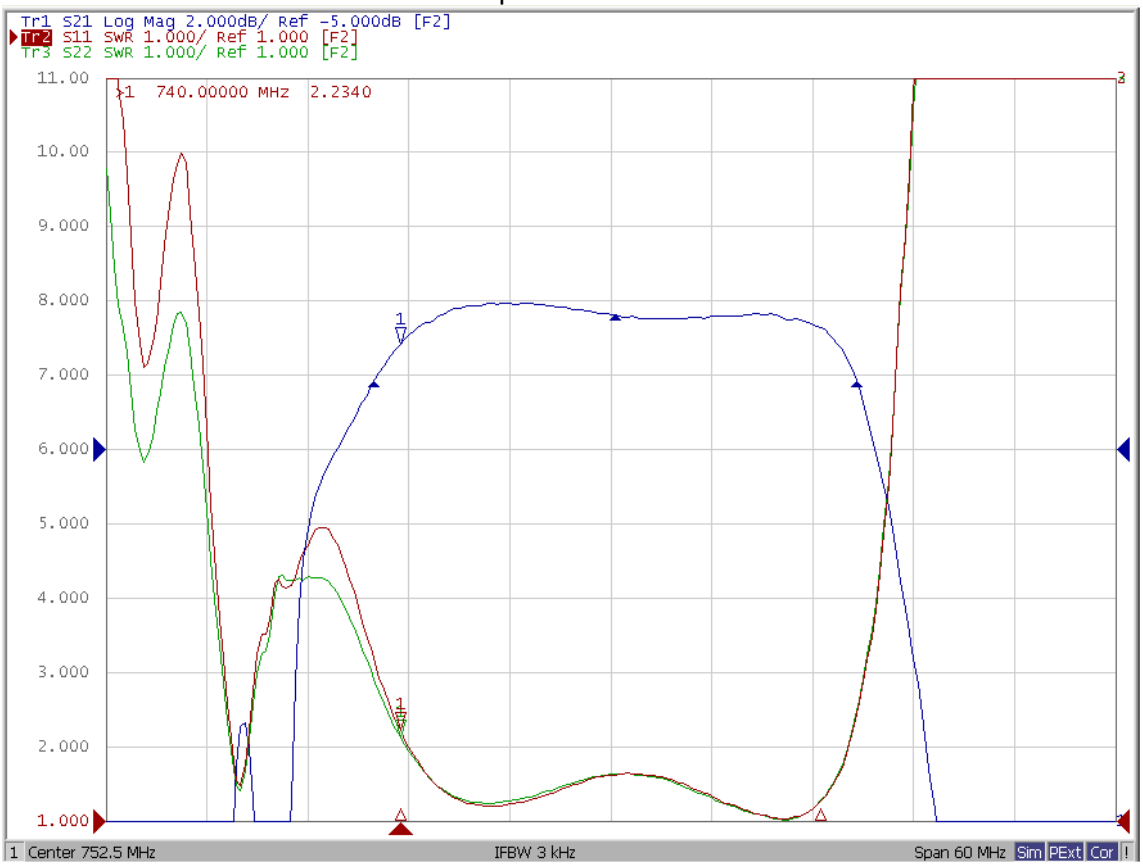


Span 60 MHz



Reflection Functions :

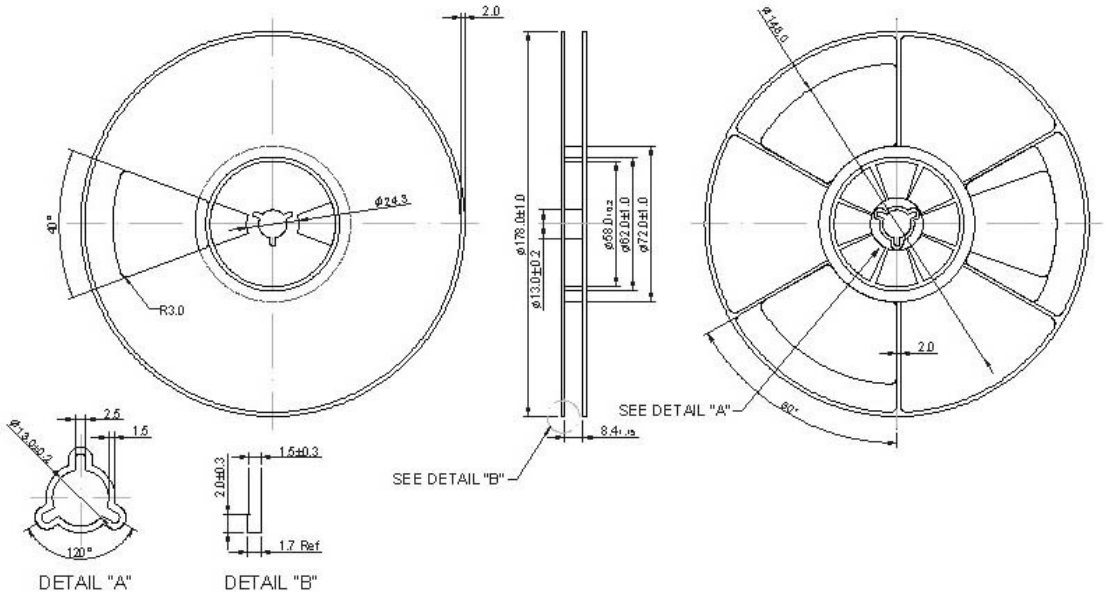
Span 60 MHz



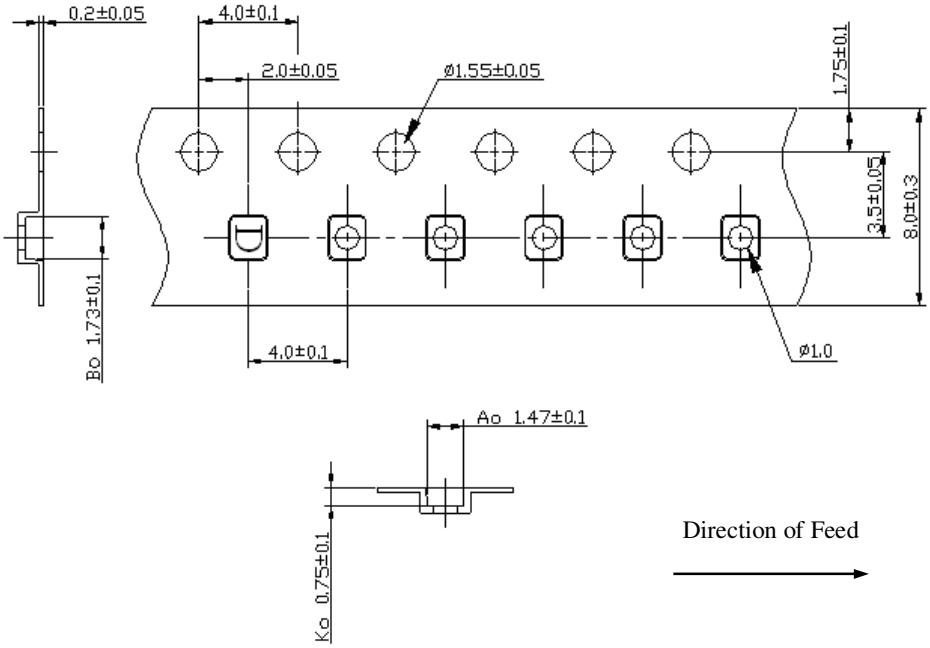
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. 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 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.

