



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Name: SAW Filter 1227.6 MHz BW 20 MHz SMD 2.0x1.6 mm

TST Parts No.:TA2598A

Customer Parts No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Sam Lin *Sam Lin*

Approval by: _____ Andy Yu *Andy Yu*

Date: _____ 2020/12/24

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 1227.6 MHz BW 20 MHz SMD 2.0x1.6 mm

MODEL NO.:TA2598A

REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 17 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -55 °C to +105 °C
4. Storage Temperature: -55 °C to +105 °C
5. Moisture Sensitivity Level: Level 1 (MSL1)

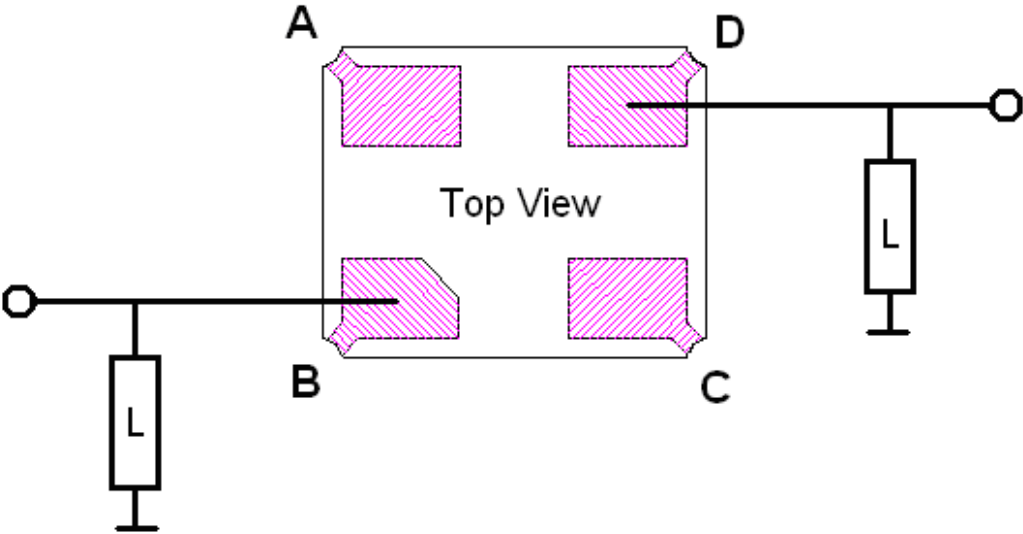


Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTIC:

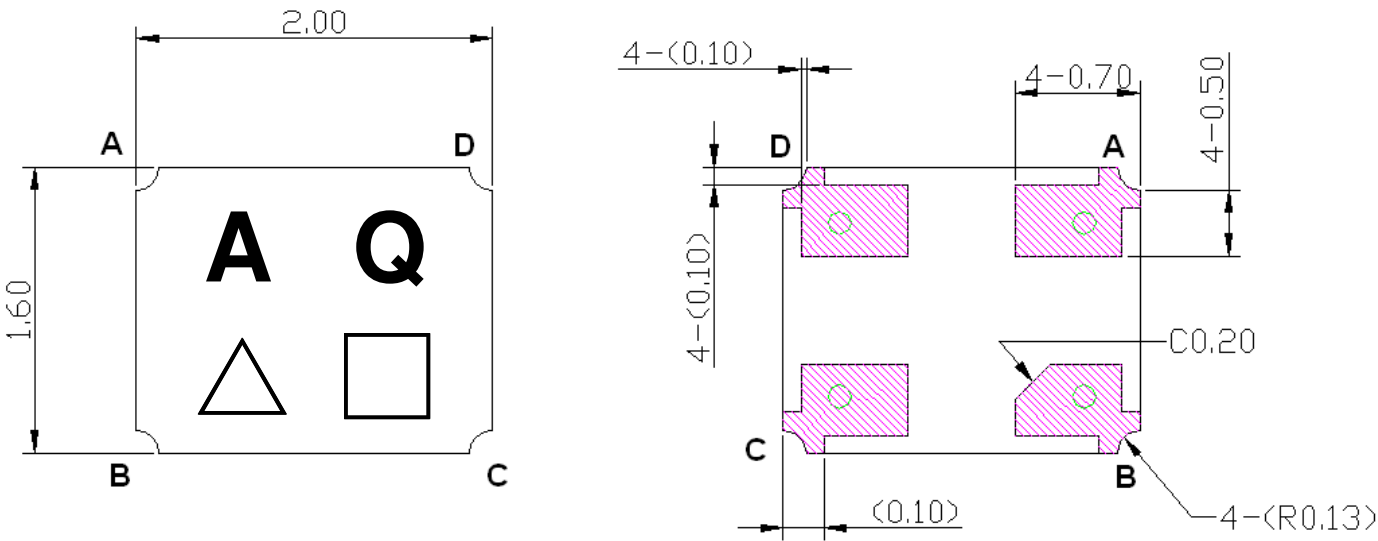
Item	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	1227.6	-
Minimum Insertion Loss IL _{min}	dB	-	1.4	1.8
3 dB Bandwidth	MHz	-	76	-
Amplitude Ripple (1217.6 ~ 1237.6 MHz)	dBp-p	-	0.3	1.5
Return Loss (1217.6 ~ 1237.6 MHz)	dB	8	10	-
Group Delay (1217.6 ~ 1237.6 MHz)	ns	-	15	25
Group Delay Ripple (1217.6 ~ 1237.6 MHz)	ns	-	4	15
Attenuation (Reference from 0 dB)				
300 ~ 1152 MHz	dB	25	31	-
1302 ~ 1900 MHz	dB	30	33	-
1900 ~ 3000 MHz	dB	25	33	-

C. MEASUREMENT CIRCUIT:



L = 11 nH (With LQW2BAN11NG inductor)

D. OUTLINE DRAWING:

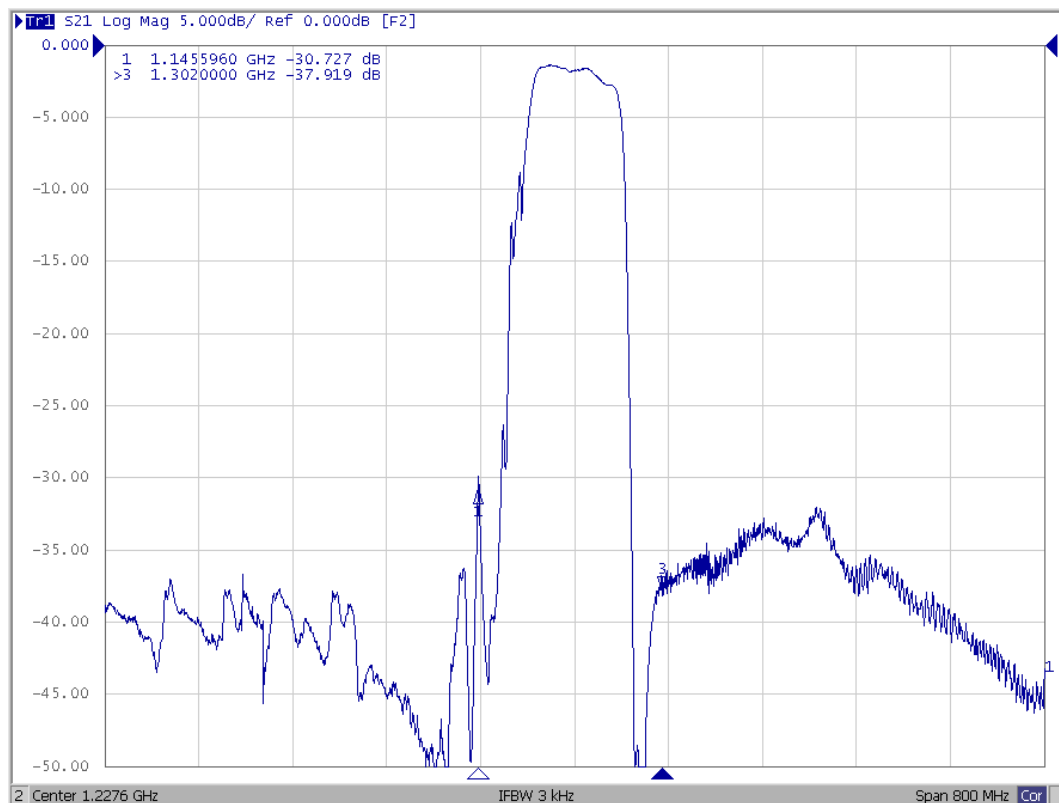


#B:	Input
#D:	Output
#A,C:	Ground
Unit:	mm

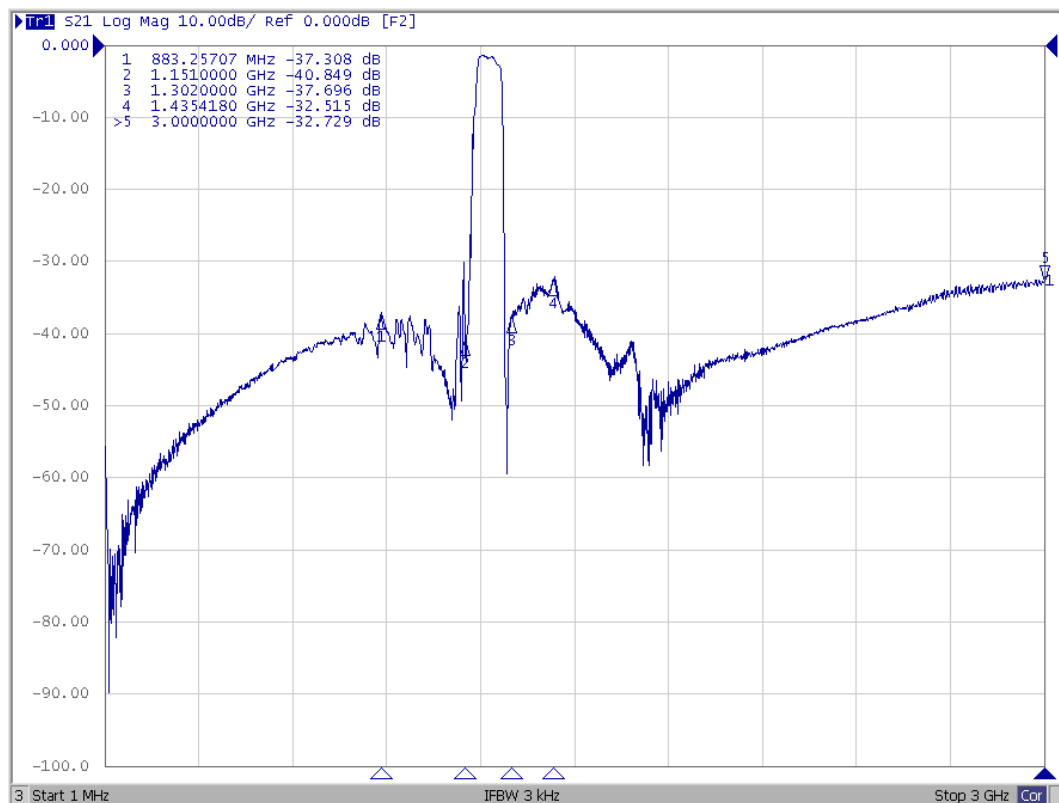
△: Year(2021:1, 2022:2 2030:0)
□: Week(A~Z:Week01~26, a~z:Week27~52)

E. Frequency Characteristics :

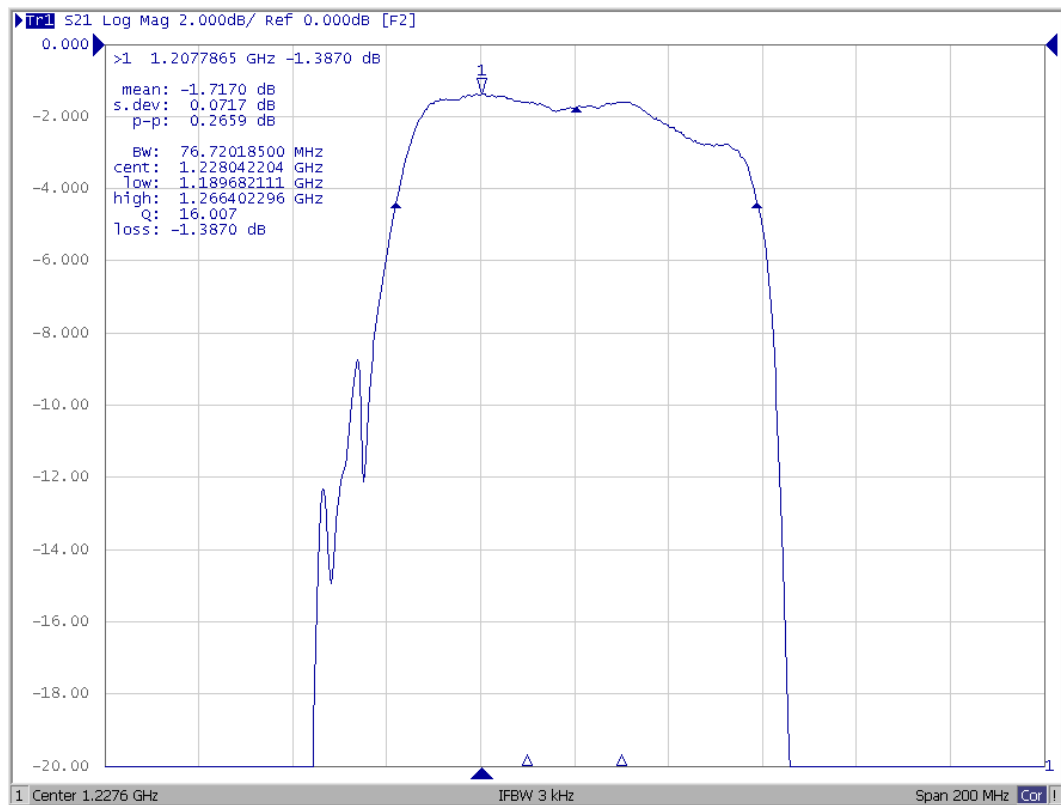
Span 800 MHz



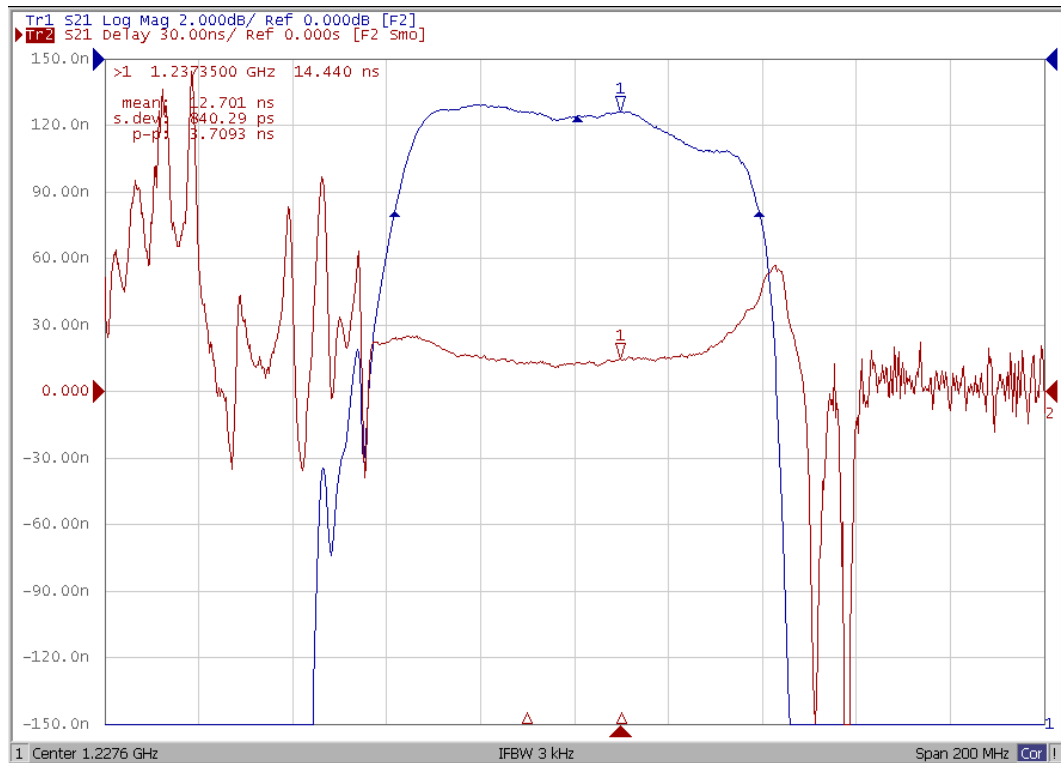
Span 3000 MHz



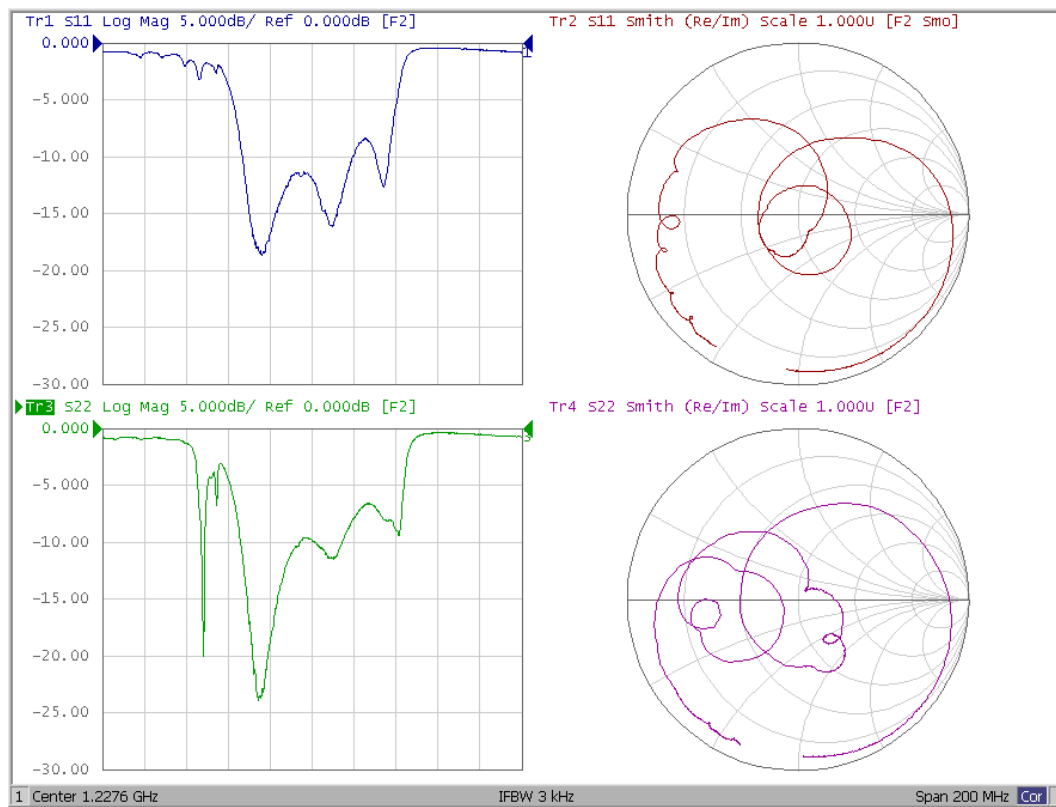
Span 200 MHz



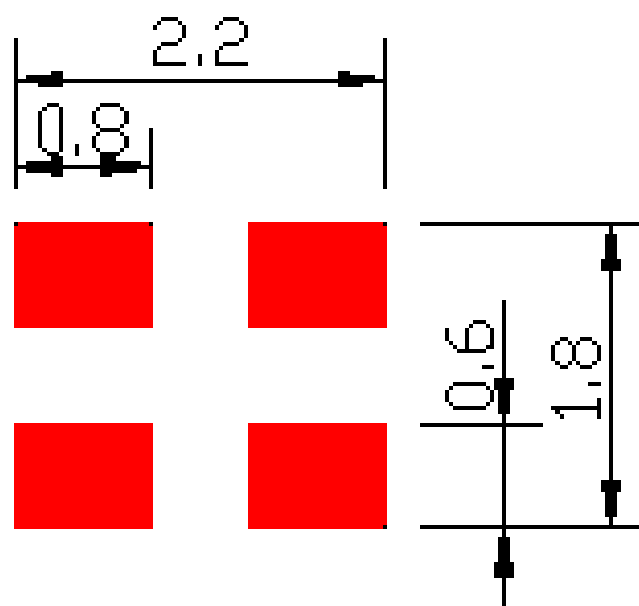
Span 100 MHz (Group Delay)



Span 100 MHz (Reflective Characteristic)



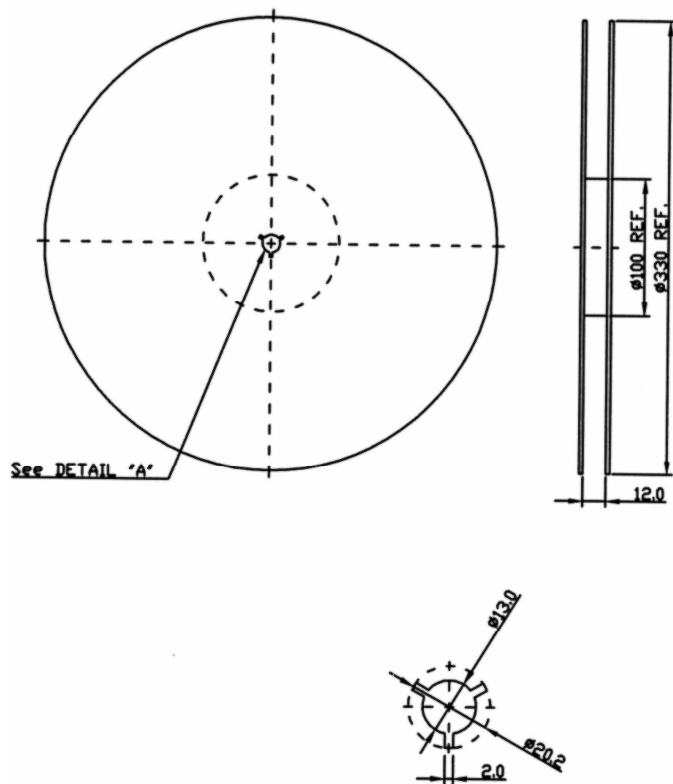
F. PCB FOOTPRINT:



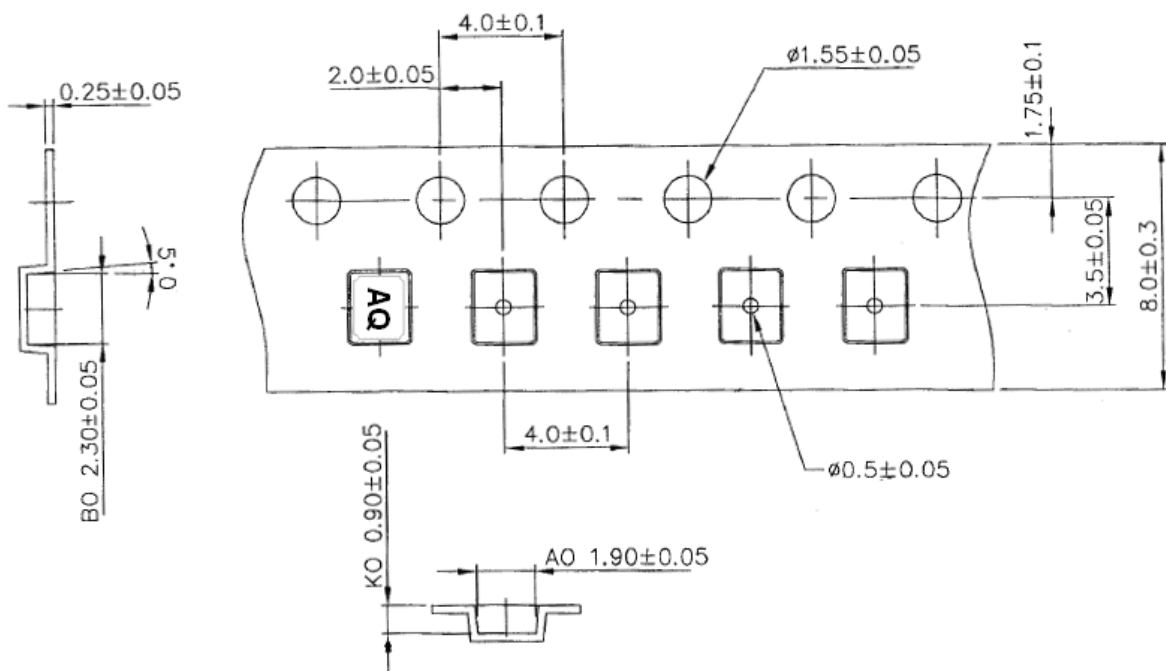
G. PACKING:

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°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

