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 2535 MHz SMD 3.0X3.0 mm (BW=70MHz)

TST Part No.: TA0795B

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Bob Chau

Approved by: Francis Chen

Date: 5, 24, 2010

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 2535 MHz

MODEL NO.:TA0795B REV. NO.:1

A. MAXIMUM RATING:

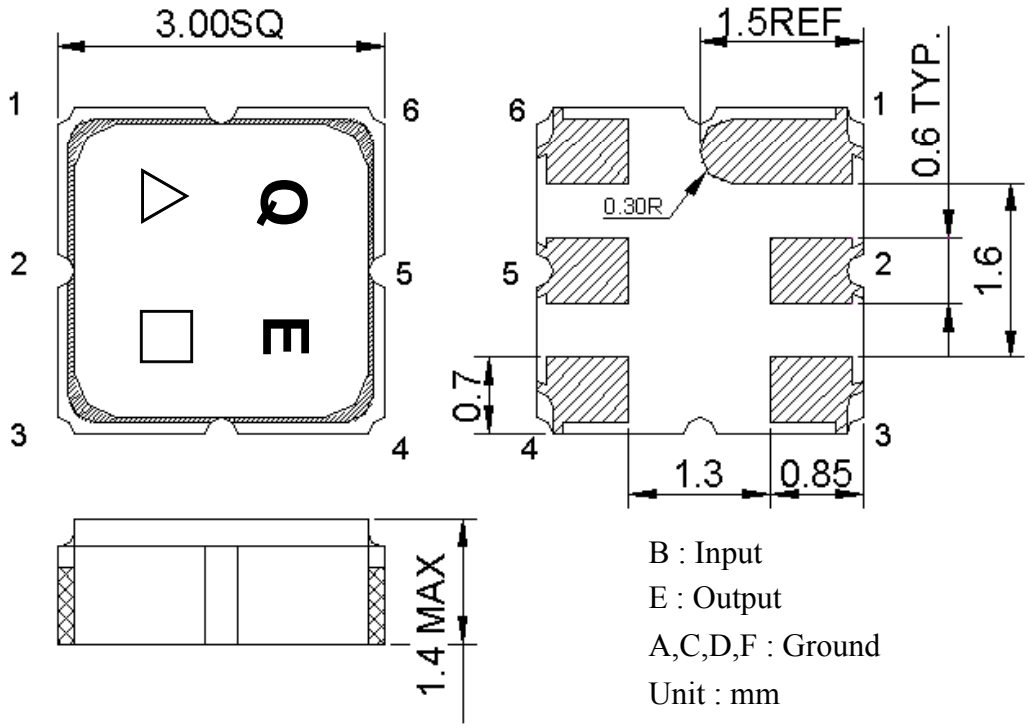
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Type.	Max.	Note
Center Frequency	**Fc**	MHz	-	2535	-	-
Insertion Loss (2500 ~ 2570 MHz)	**IL**	dB	-	2.2	3.6	-
Amplitude Ripple (2500 ~ 2570 MHz)		dB	-	0.8	1.7	-
VSWR (2500 ~ 2570 MHz)			-	2	2.2	-
Attenuation (Reference level from 0 dB)						
DC ~ 2100 MHz		dB	25	31	-	-
2100 ~ 2400 MHz		dB	27	34.5	-	-
2650 ~ 4000 MHz		dB	30	38	-	-
4000 ~ 5000 MHz		dB	20	23	-	-

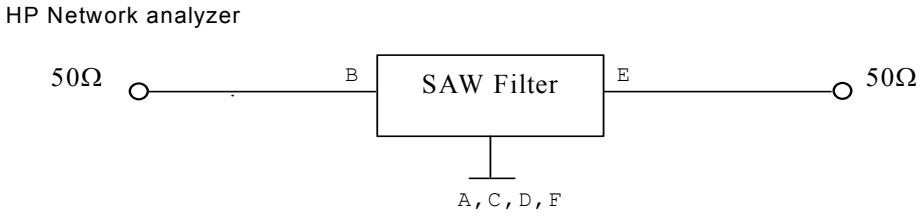
C.OUTLINE DRAWING:



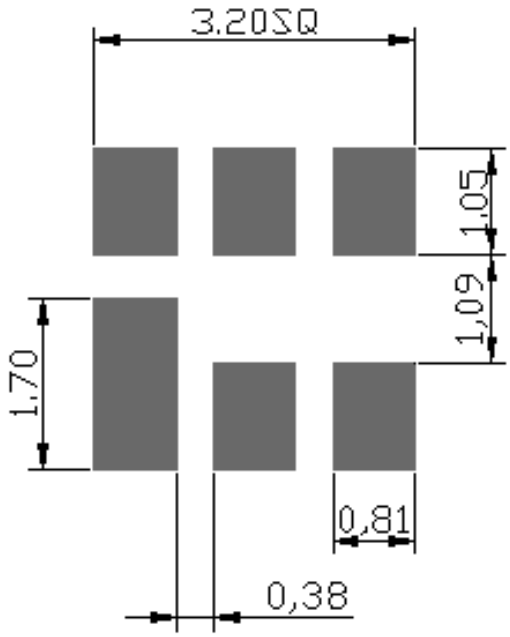
△ : Year Code (2009->9, 2010->0,…, 2018->8)

□ : Date Code (W01->A,W02->B,…W27->a,…,W52->z)

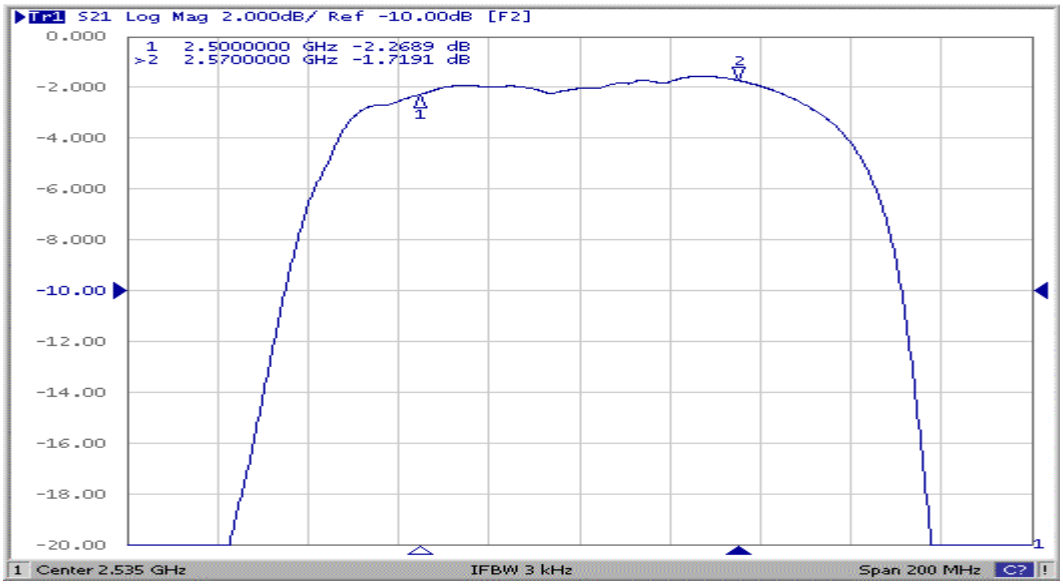
D. MEASUREMENT CIRCUIT:

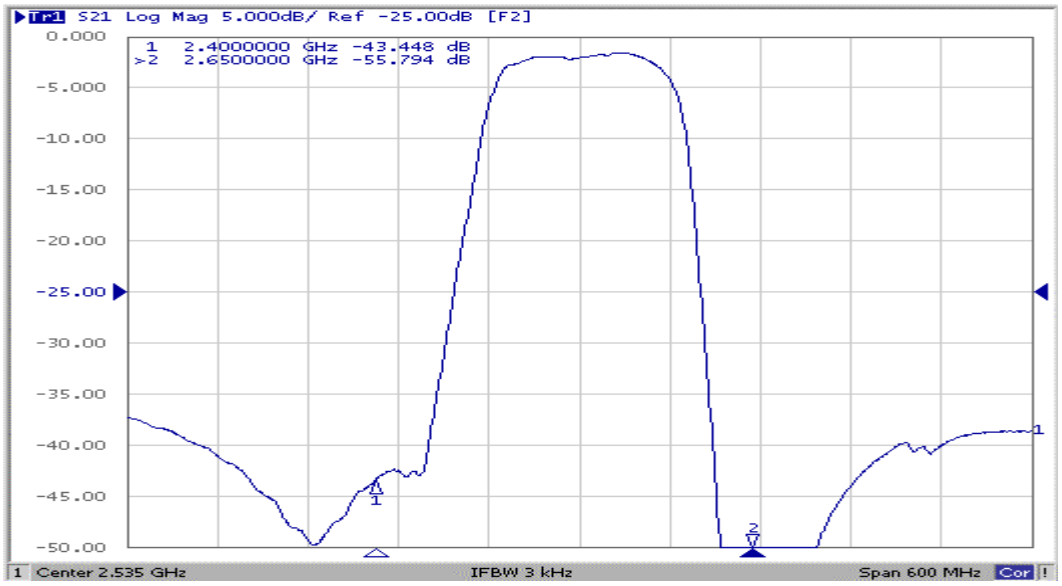


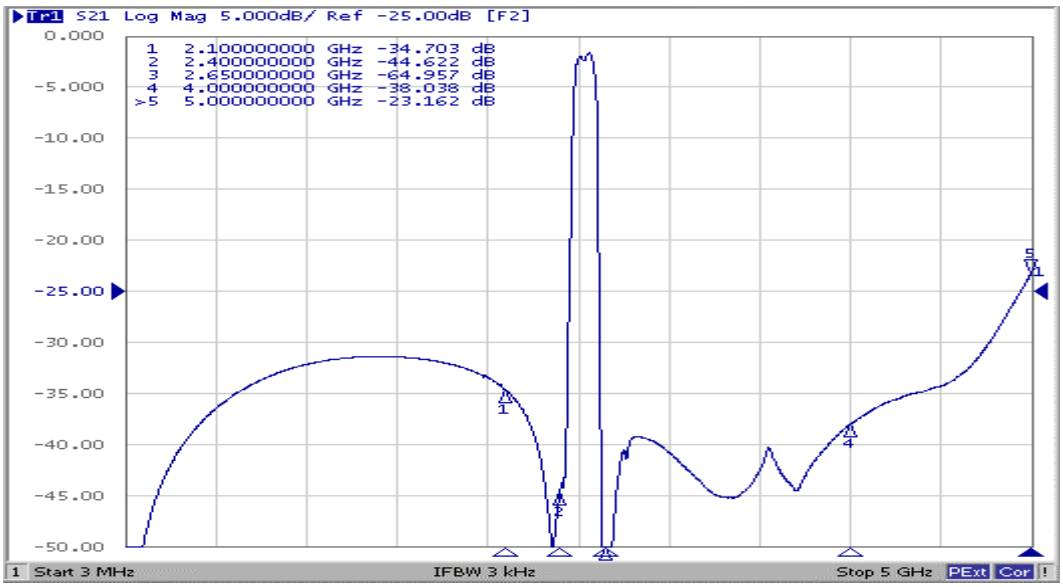
E. PCB Footprint:



F. Frequency Characteristics :

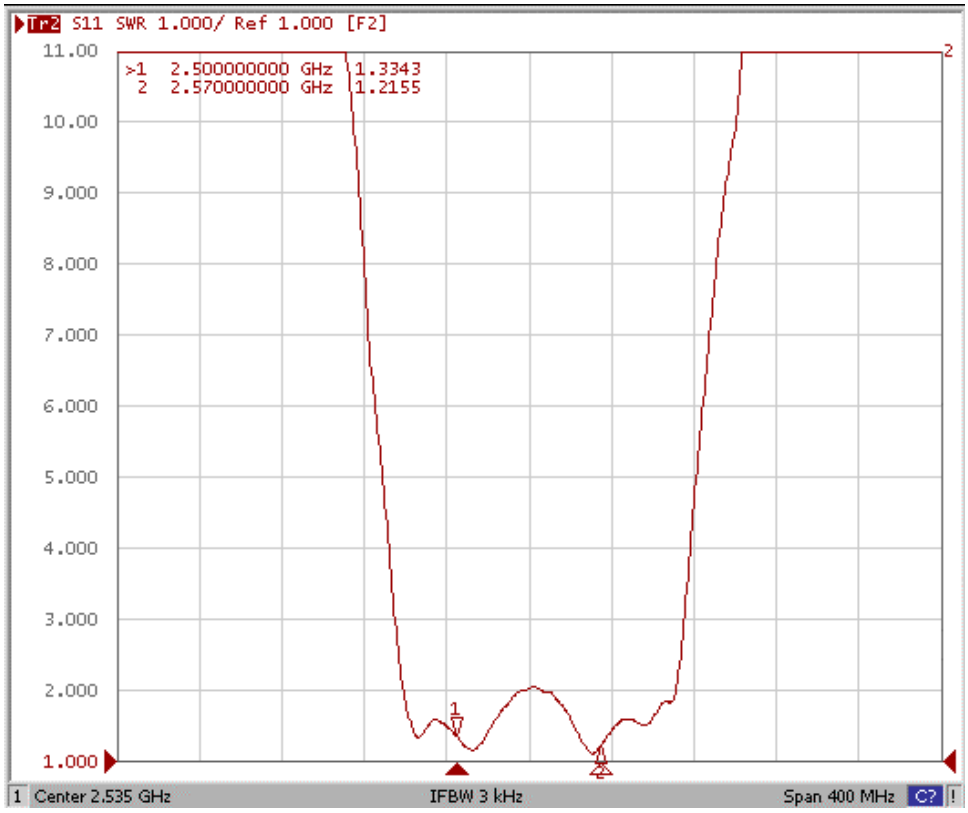


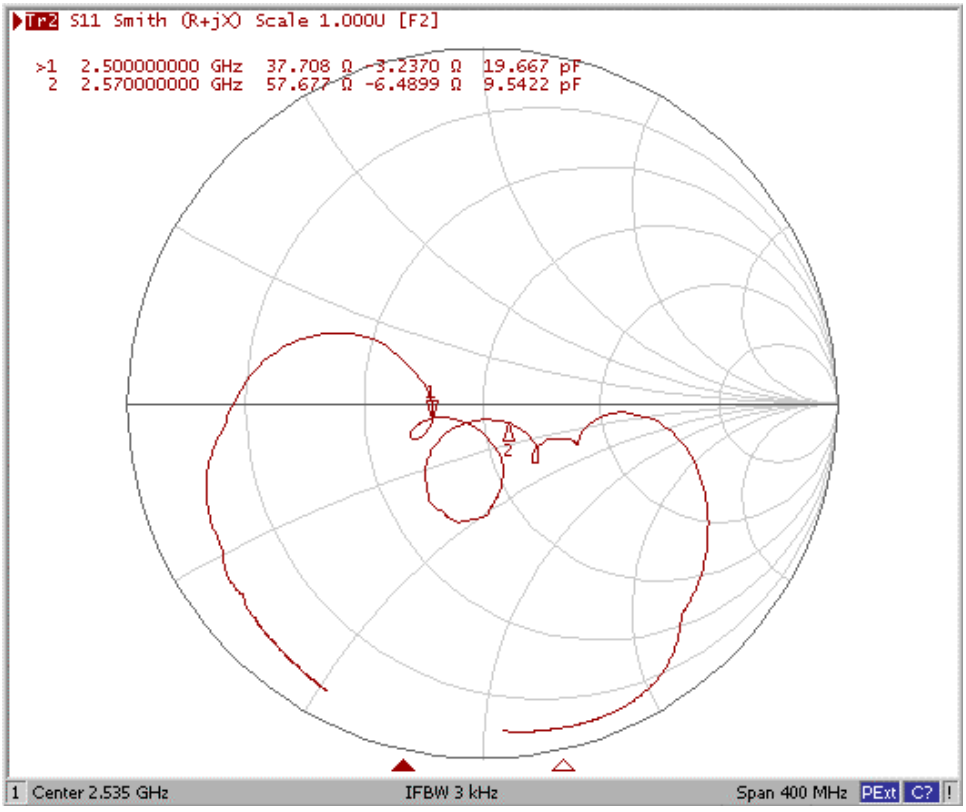




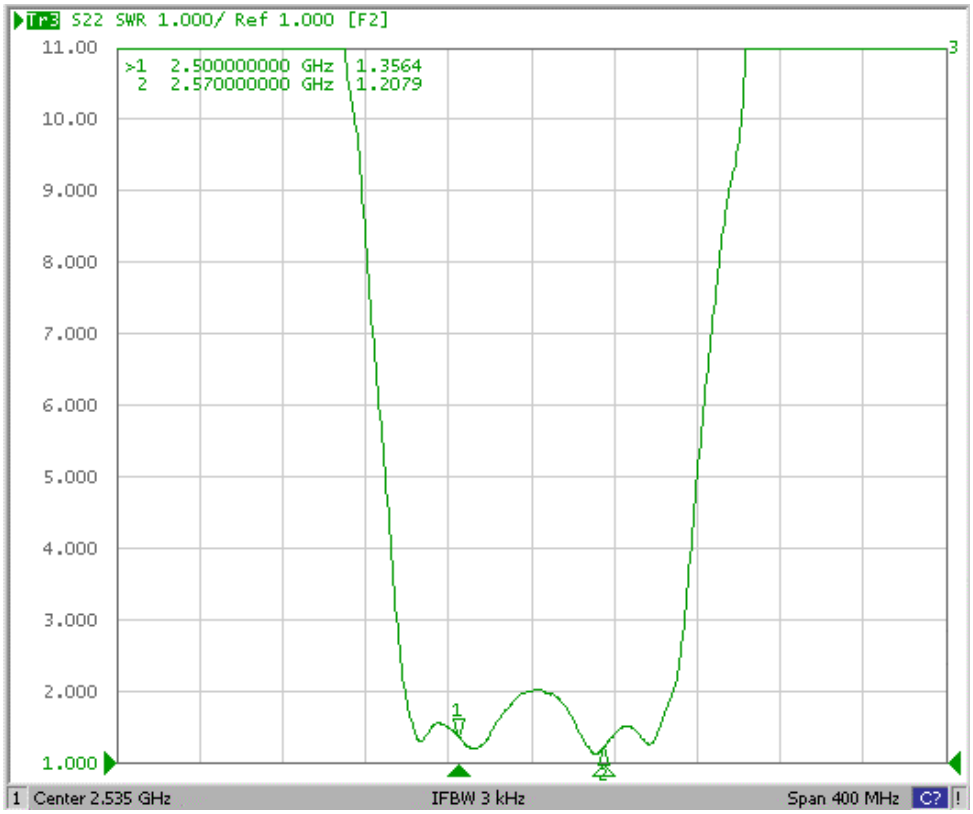
Reflection Functions :

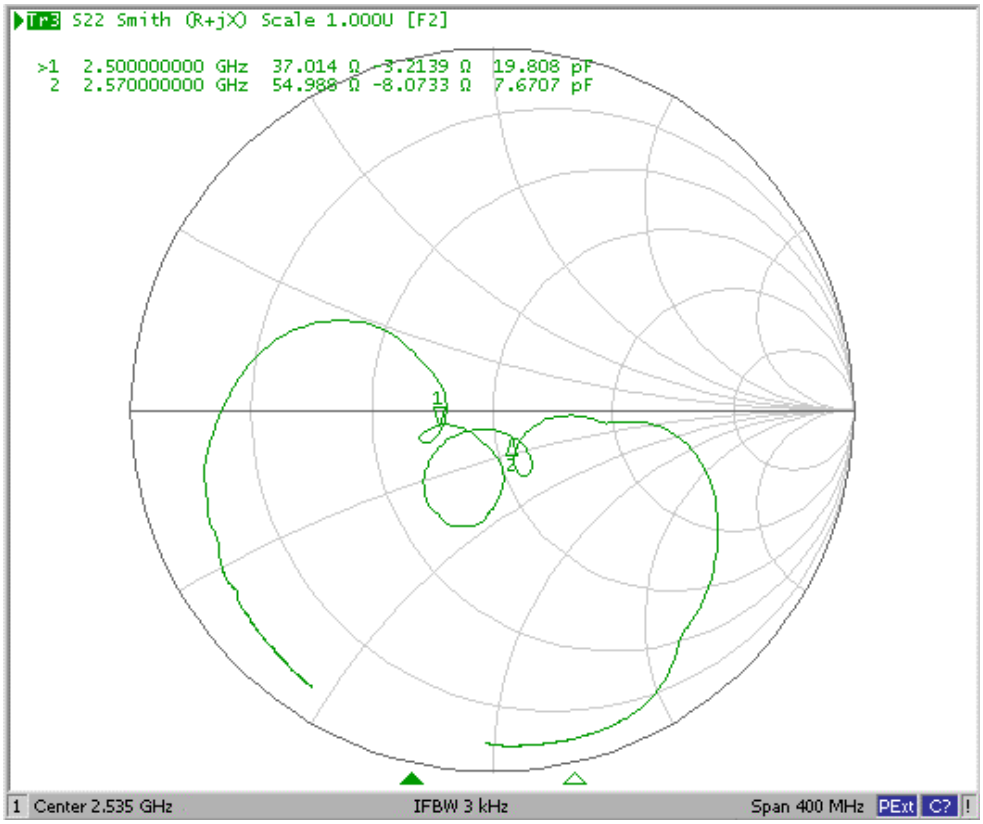
S11





S22

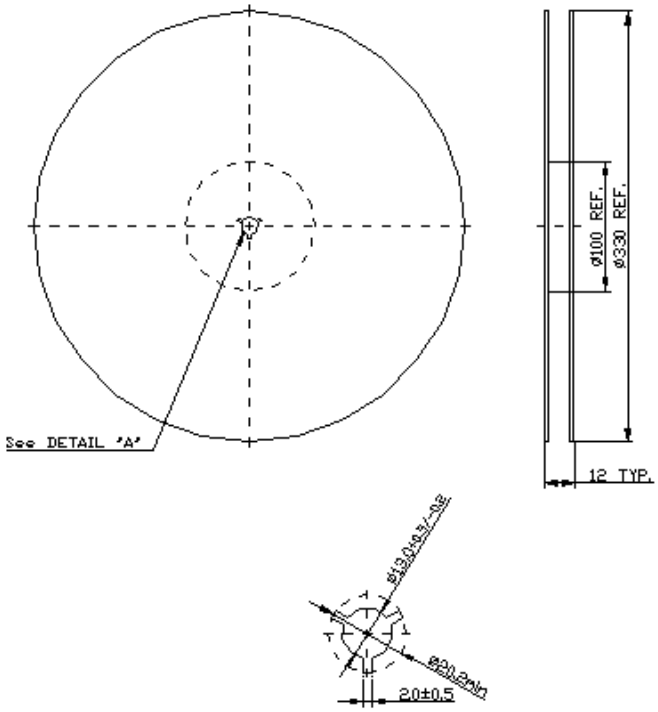

Tr3 S22 SWR 1.000/ Ref 1.000 [F2]
>1 2.500000000 GHz 1.3564
2 2.570000000 GHz 1.2079
11.00
10.00
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
1 Center 2.535 GHz
IFBW 3 kHz
Span 400 MHz
C?


Tr3 S22 Smith (R+jX) Scale 1.000U [F2]
>1 2.500000000 GHz 37.014 Ω -3.2139 Ω 19.808 pF
2 2.570000000 GHz 54.988 Ω -8.0733 Ω 7.6707 pF
1 Center 2.535 GHz
IFBW 3 kHz
Span 400 MHz
PExt
C?

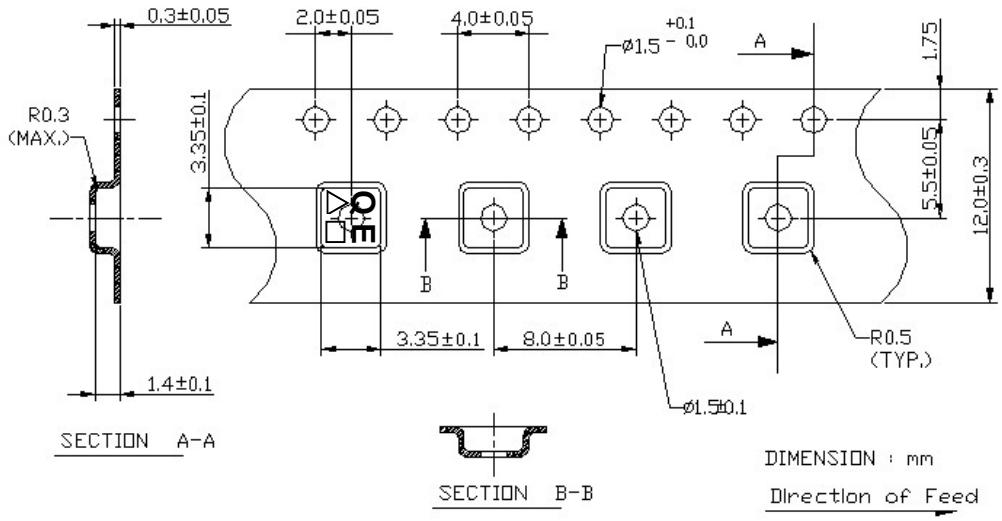
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7”=1000 ; 13”=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

