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 806 MHz SMD 3.0x3.0 mm

TST Part No.: TA1071A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: David Chang 張閔智

Approved by: Francis Chen

Date: 2009/08/04

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 806 MHz

MODEL NO.:TA1071A REV. NO.:1

A. MAXIMUM RATING:

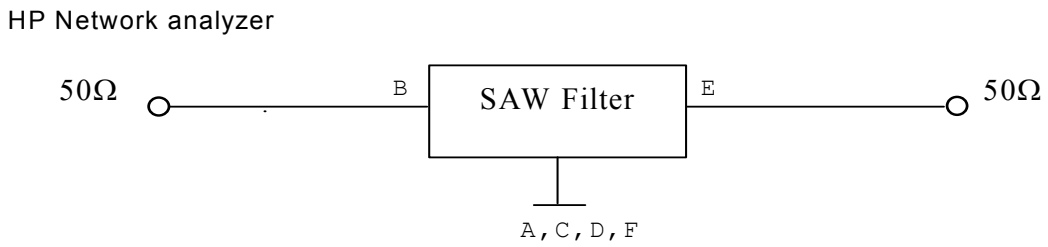
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -25°C to +75°C
4. Storage Temperature: -30°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

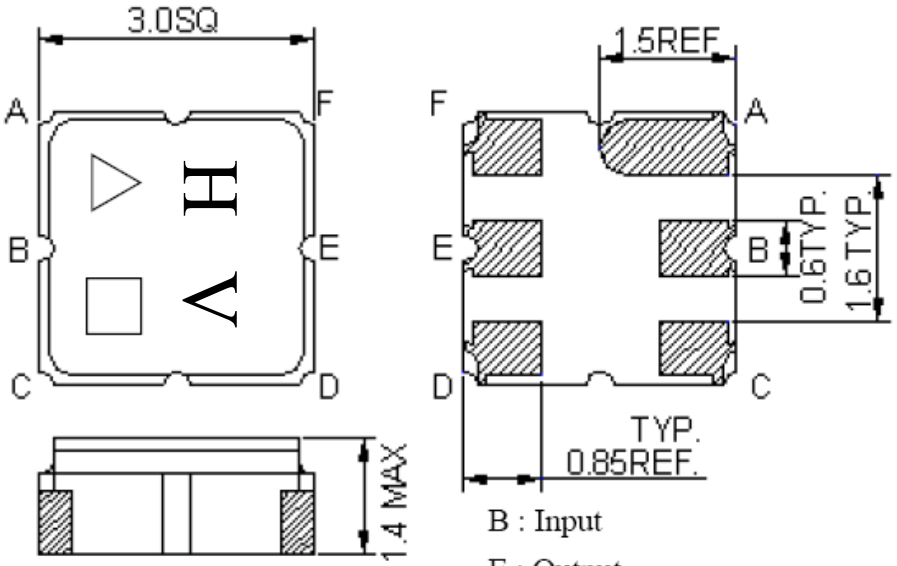
B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Typ.	Max.
Center frequency	Fc	MHz	-	806	-
Insertion Loss (791~821 MHz)	IL	dB	-	2.9	4.5
Amplitude ripple (791~821 MHz)		dB	-	1.3	3.0
VSWR (791~821 MHz)		-	-	1.7	2.5
Attenuation (reference from 0dB)					
D.C ~ 760 MHz		dB	45	55	-
760 ~ 775 MHz		dB	30	48	-
832 ~ 862 MHz		dB	8	15	-
862 ~ 900 MHz		dB	30	39	-
900 ~ 1500 MHz		dB	45	57	-
1500 ~ 2000 MHz		dB	35	45	-

C. MEASUREMENT CIRCUIT:



D.OUTLINE DRAWING:



B : Input

E : Output

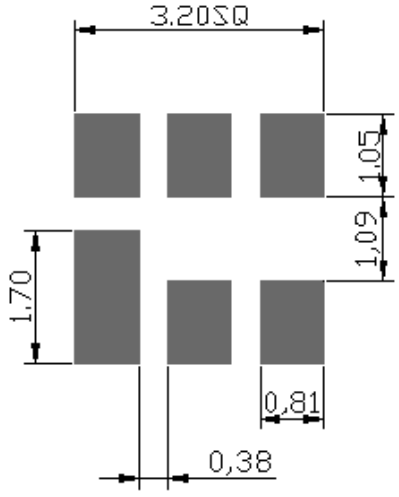
A,C,D,F : Ground

Unit : mm

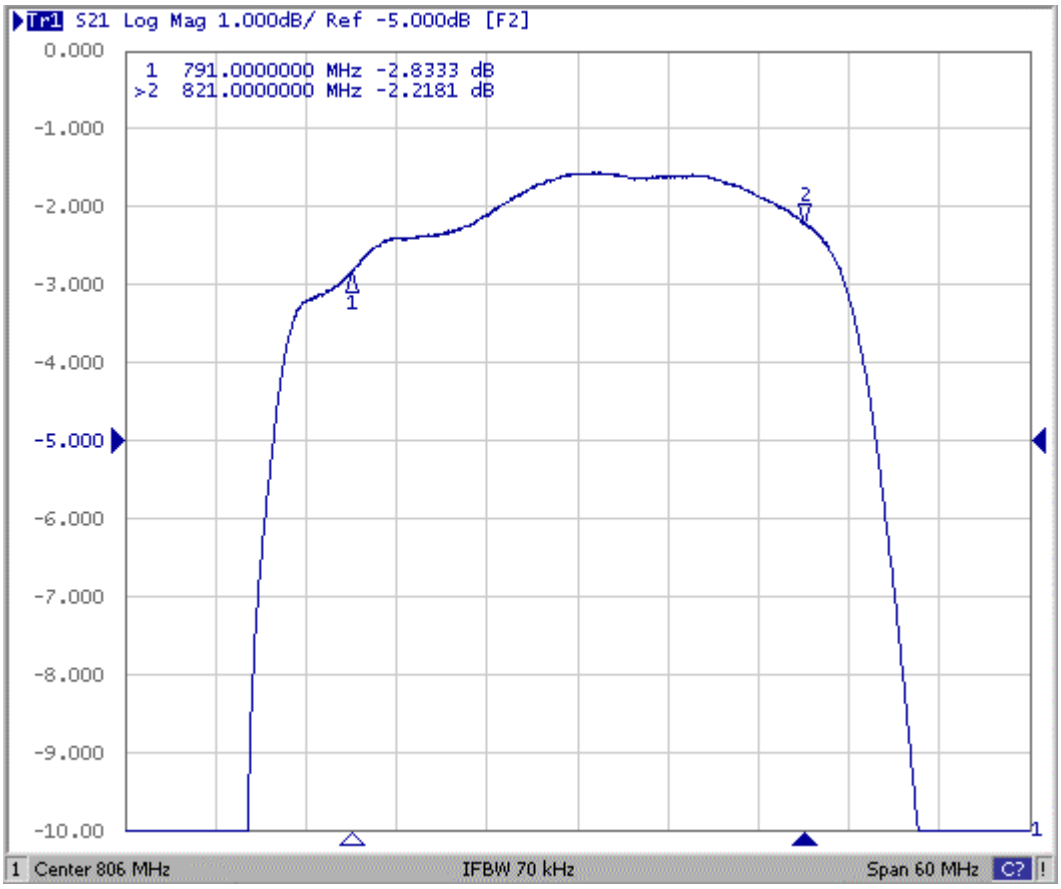
△ : Year Code (2006->6, …, 2009->9)

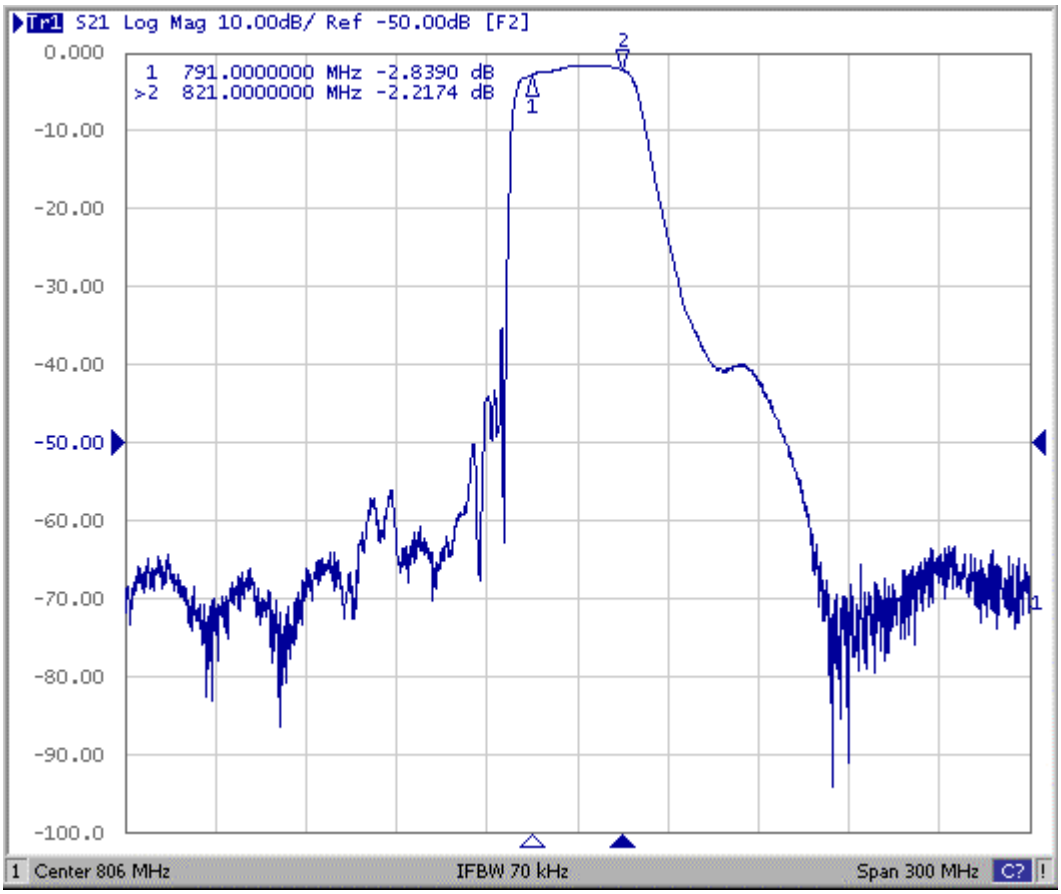
□ : Date Code (W01->A,W02->B,…W27->a,…,W52->z)

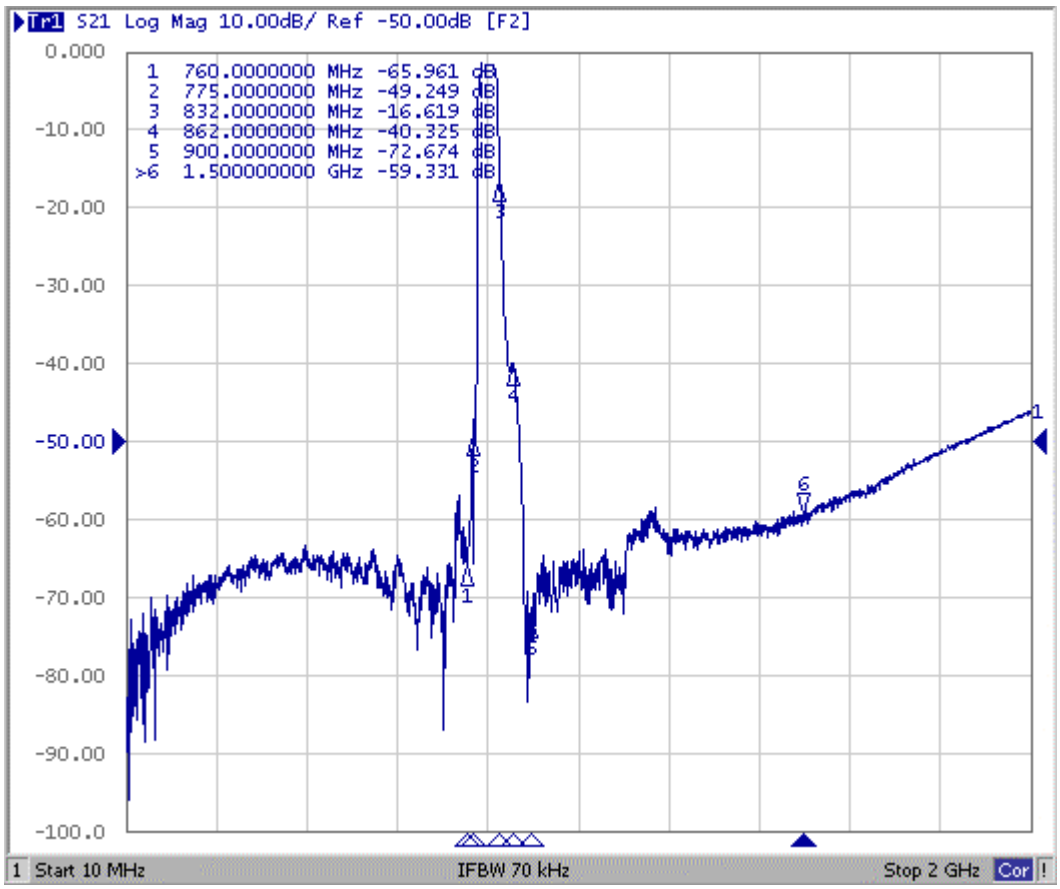
E. PCB Footprint:

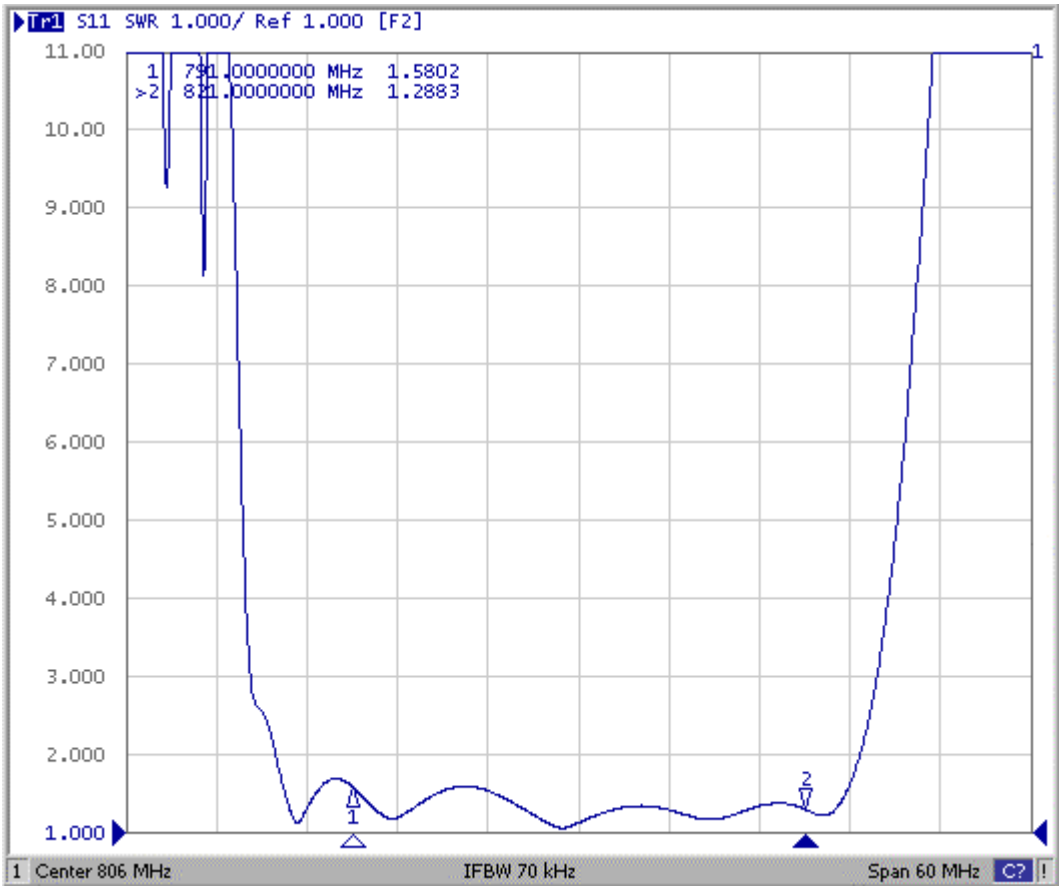


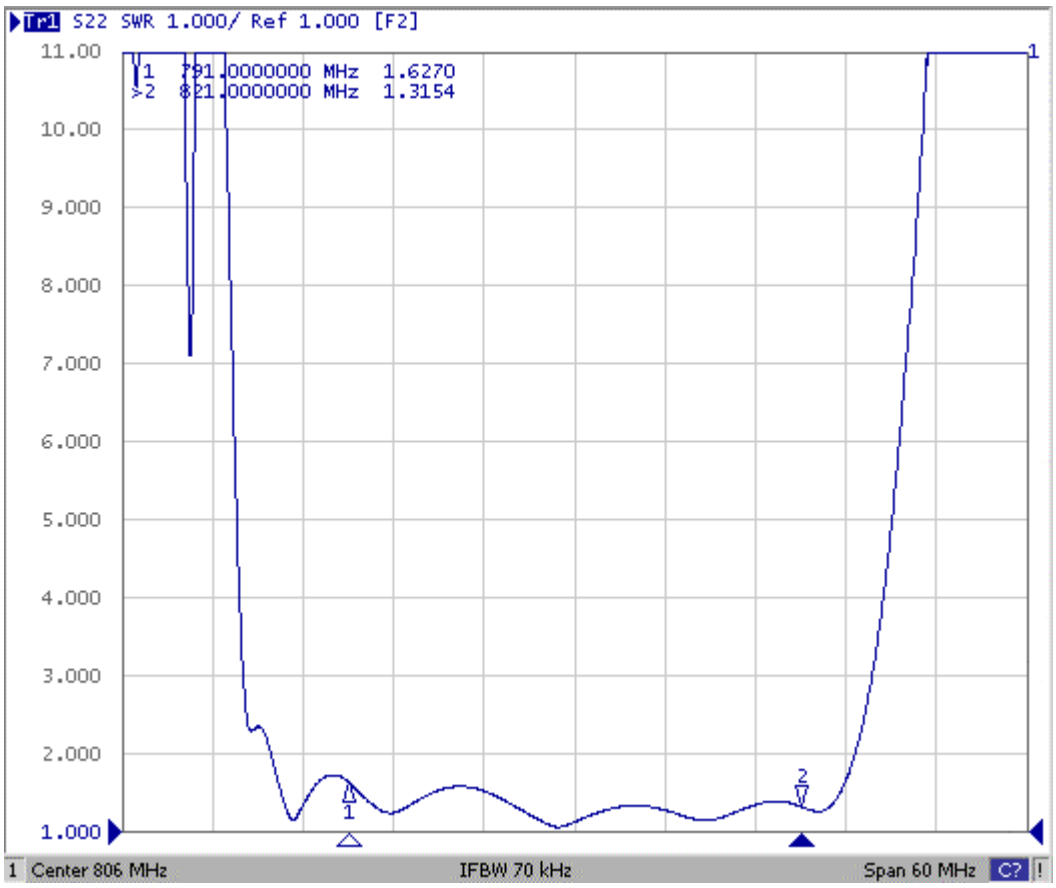
F. Frequency Characteristics :





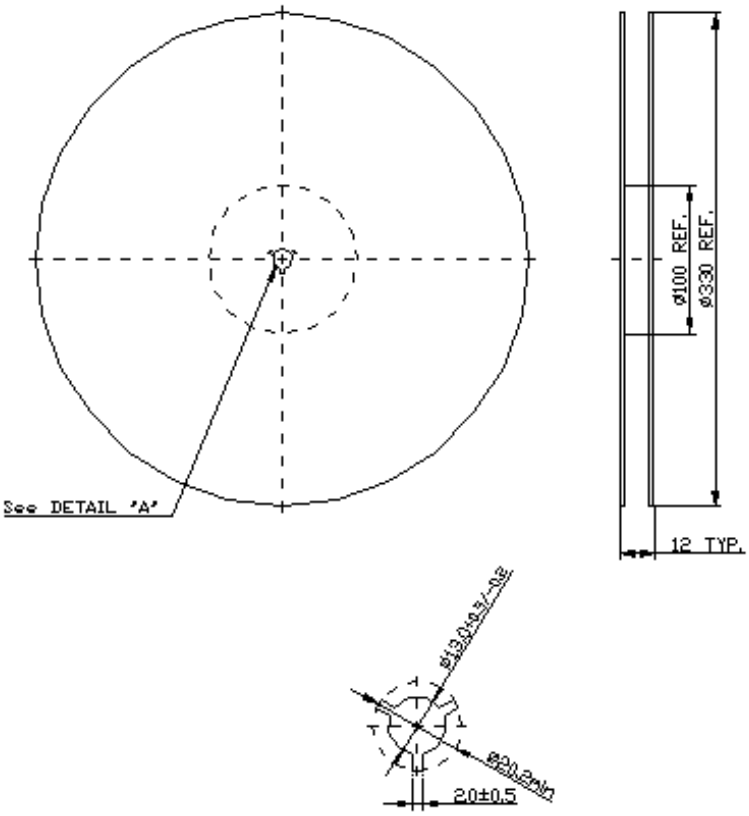

Tr1 S21 Log Mag 10.00dB/ Ref -50.00dB [F2]
1 760.0000000 MHz -65.961 dB
2 775.0000000 MHz -49.249 dB
3 832.0000000 MHz -16.619 dB
4 862.0000000 MHz -40.325 dB
5 900.0000000 MHz -72.674 dB
>6 1.500000000 GHz -59.331 dB
0.000
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
-90.00
-100.0
1 Start 10 MHz
IFBW 70 kHz
Stop 2 GHz
Cor


Tr1 S11 SWR 1.000/ Ref 1.000 [F2]
1 791.0000000 MHz 1.5802
>2 821.0000000 MHz 1.2883
11.00
10.00
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
1 Center 806 MHz
IFBW 70 kHz
Span 60 MHz
C?

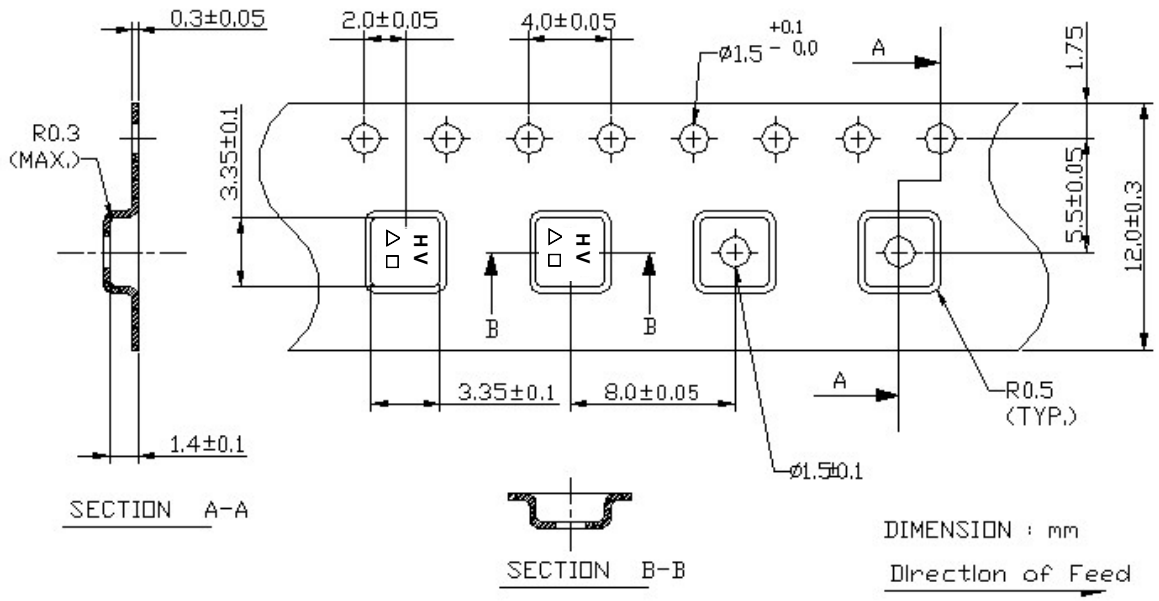


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. <u>RECOMMENDED REFLOW PROFILE</u> :