



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date: Aug, 30, 2007

Product Name: SAW Filter 1397.5 MHz SMD 3.0X3.0 mm

TST Parts No.: TA0718A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 8, 30, 2007



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SAW Filter 1397.5 MHz

MODEL NO.:TA0718A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -40°C to +85°C

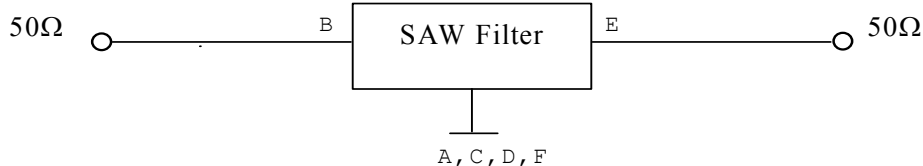
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

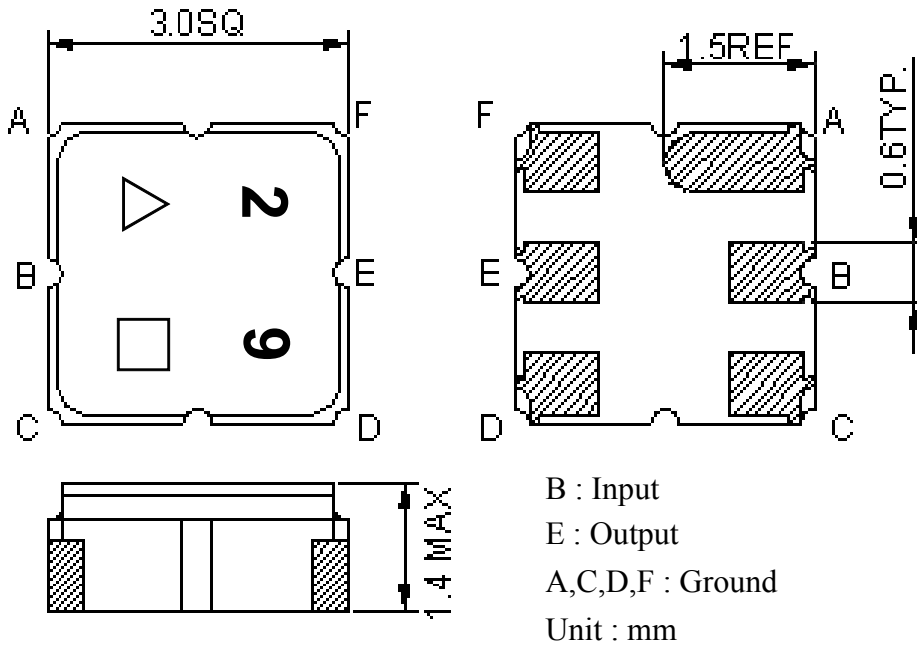
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1397.5	-	-
Insertion Loss (1395 ~ 1400 MHz) IL	dB	-	2.7	3.6	-
Amplitude Ripple (1395 ~ 1400 MHz)	dB	-	0.2	1	-
VSWR (1395 ~ 1400 MHz)		-	1.4	2	-
Attenuation (Reference level from 0 dB)					
D.C. ~ 1340 MHz	dB	40	49	-	-
1427 ~ 1432 MHz	dB	8	15	-	-
1450 ~ 1480 MHz	dB	30	42.5	-	-
1480 ~ 1523 MHz	dB	40	49.5	-	-
1523 ~ 1578 MHz	dB	45	48	-	-
1578 ~ 2000 MHz	dB	40	46	-	-
2000 ~ 3000 MHz	dB	35	41	-	-
3000 ~ 4000 MHz	dB	20	23	-	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (Follow the table from planner each year)

Note :

The base material is ceramic with Au over Ni plating.

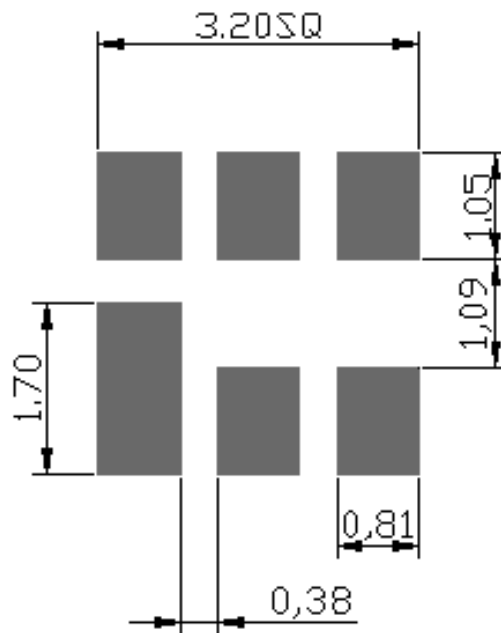
The plating thicknesses are:

Electro Ni : 1.27~8.89 μ m.

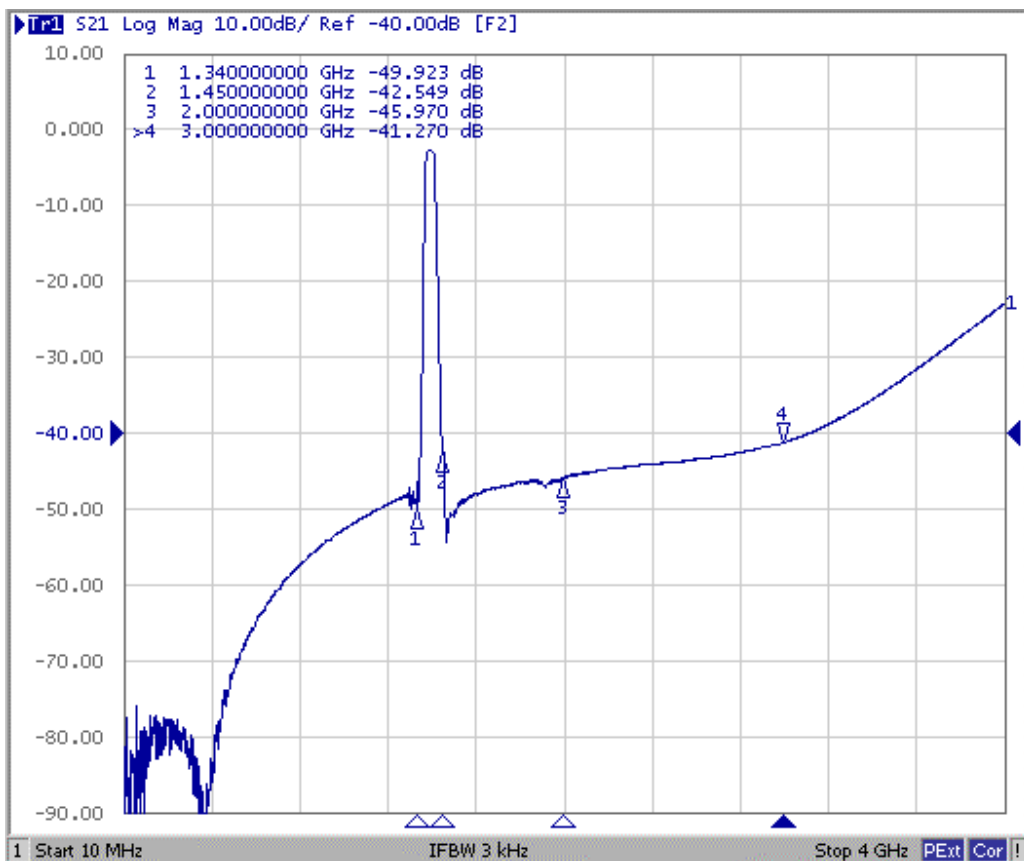
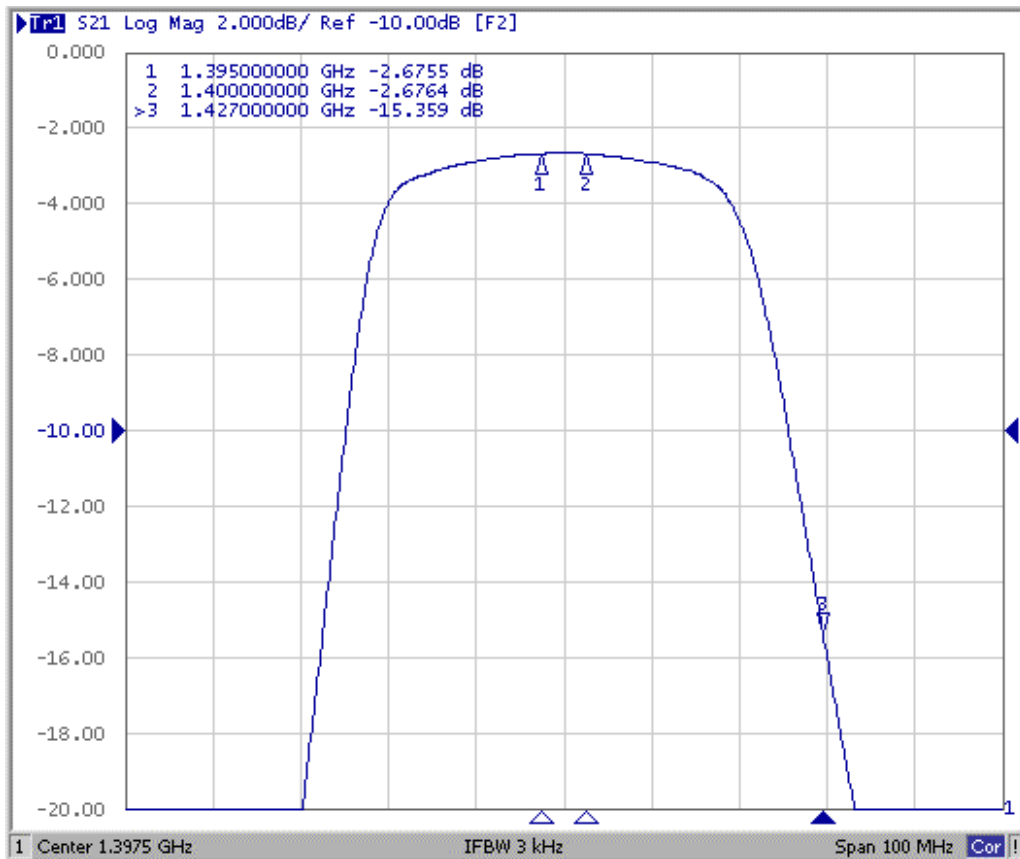
Electro Au : 0.3~1.0 μ m (solder pads only).

0.3 μ m Min. (Others)

E. PCB Footprint:

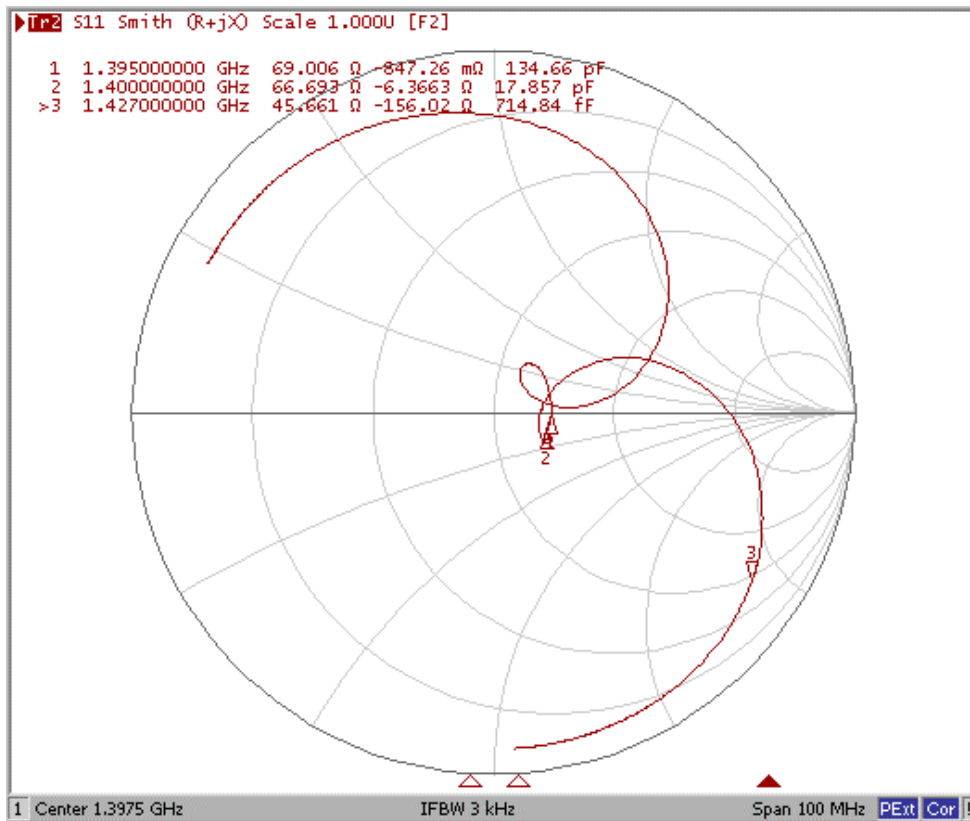
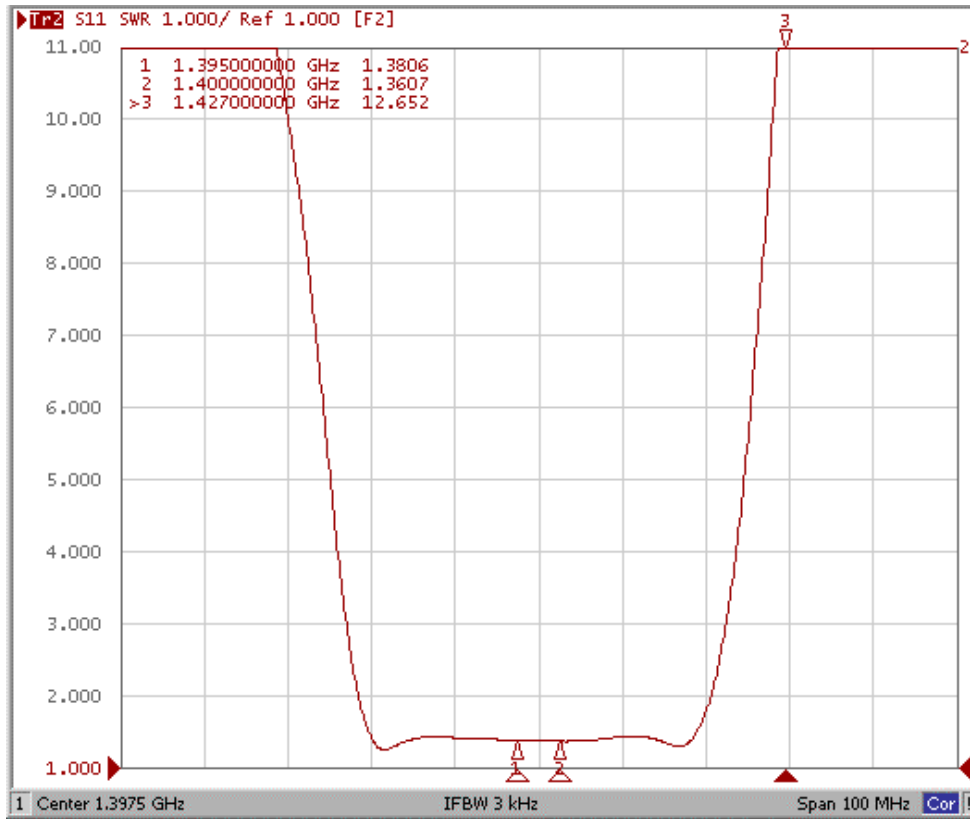


F. Frequency Characteristics :

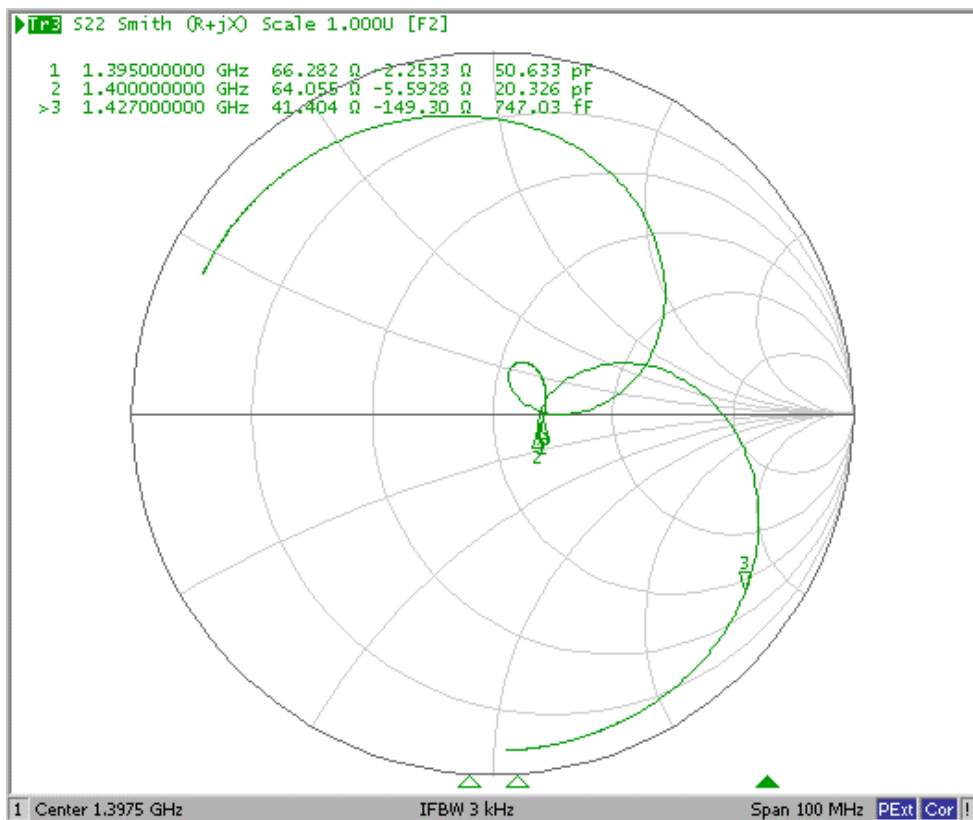
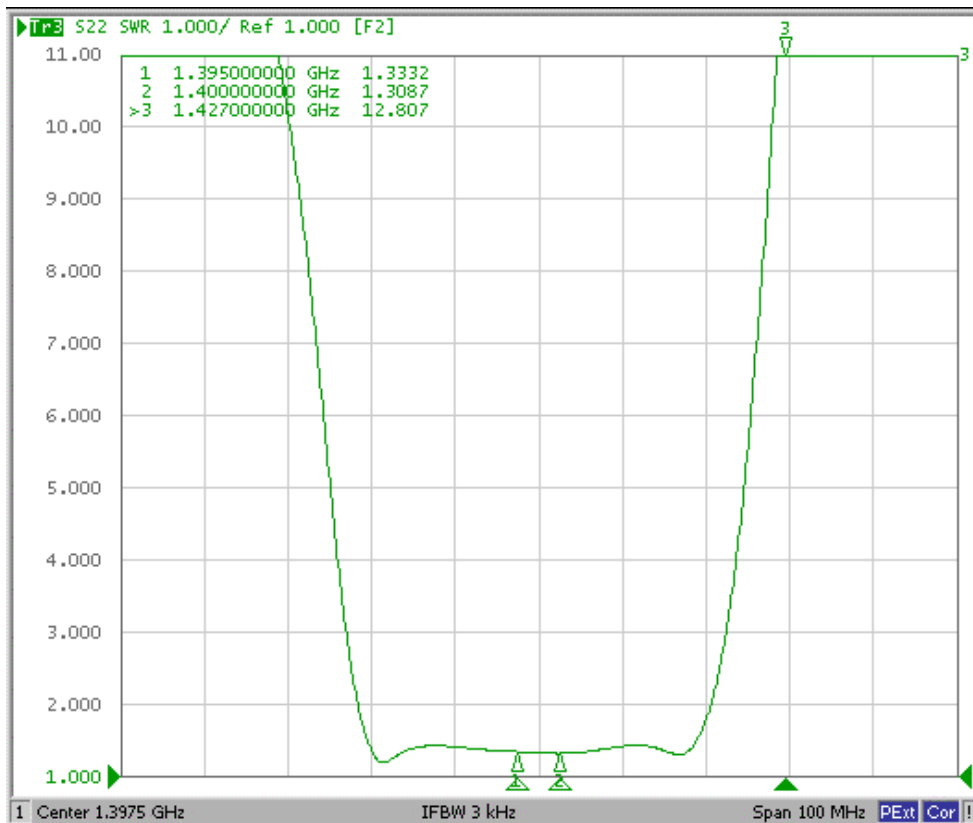


Reflection Functions :

S11



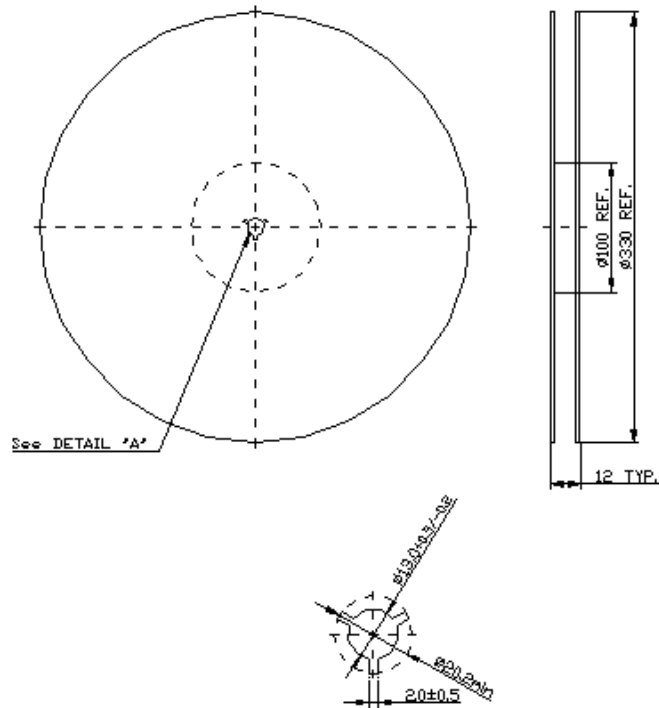
S22



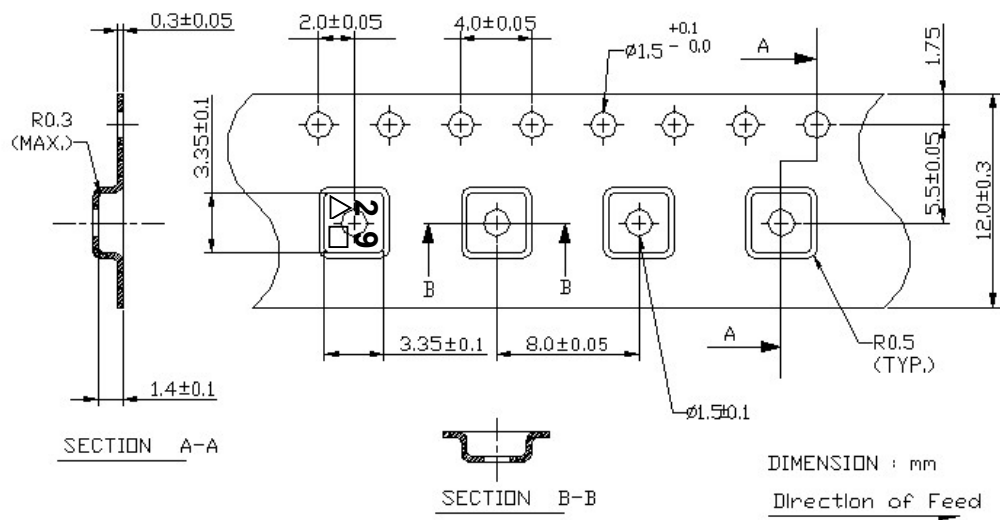
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7''=1000 ; 13''=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

