



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Description: SAW Filter 1176.5 MHz SMD 3.0X3.0 mm

TST Part No.: TA1032A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 5, 13, 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 1176.5 MHz

MODEL NO.:TA1032A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

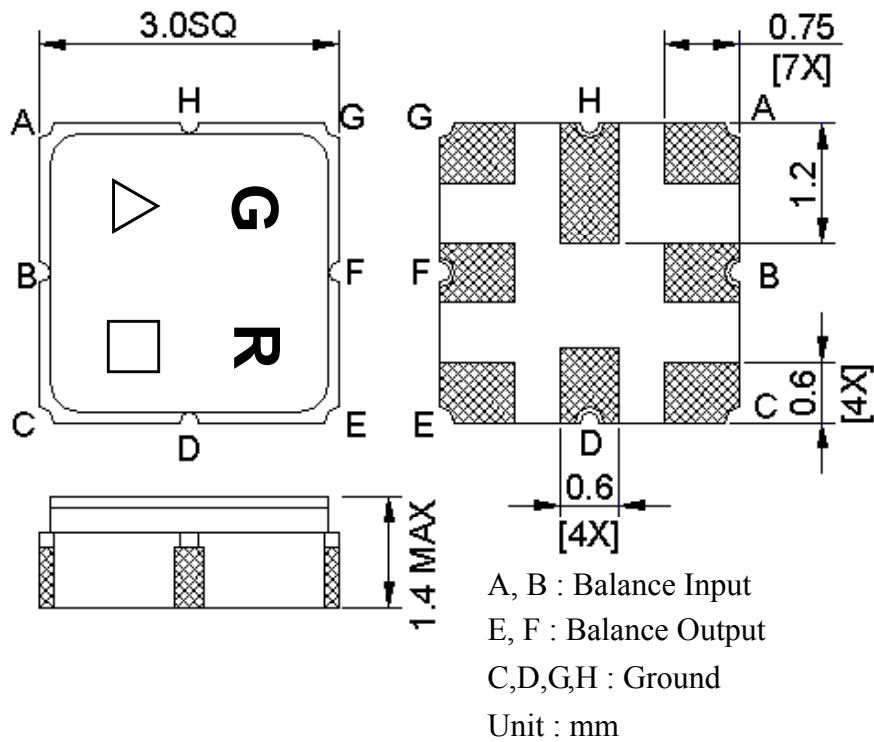
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (differential) : $Z_s = 200 \Omega // 30nH$

Terminating load impedance (differential) : $Z_L = 200 \Omega // 30nH$

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1176.5	-	-
Bandwidth at -3 dB	MHz	-	44	-	-
Insertion Loss in 1166~1187 MHz	dB	-	2.8	4	-
Amplitude ripple (1166 MHz ~ 1187 MHz)	dB	-	0.7	2	-
Group delay variation (1166 MHz ~ 1187 MHz)	ns	-	13	20	-
I/O Return Loss (1166 MHz ~ 1187 MHz)	dB	8	9	-	-
Attenuation (reference level from 0 dB)					
10 ~ 930 MHz	dB	45	50	-	-
1380 ~ 2000 MHz	dB	44	52	-	-
2000 ~ 2400 MHz	dB	38	50	-	-

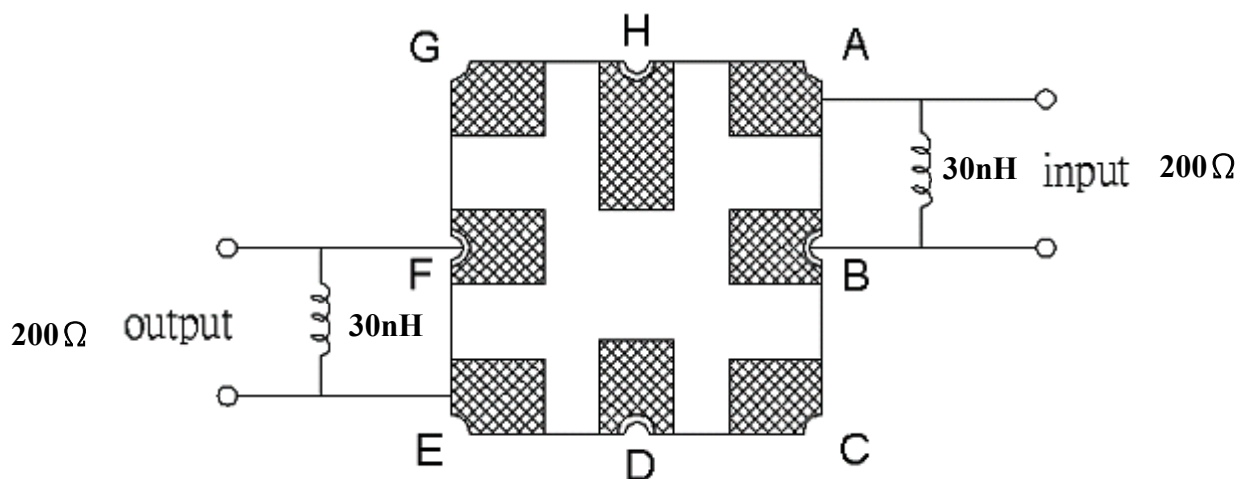
C.OUTLINE DRAWING:



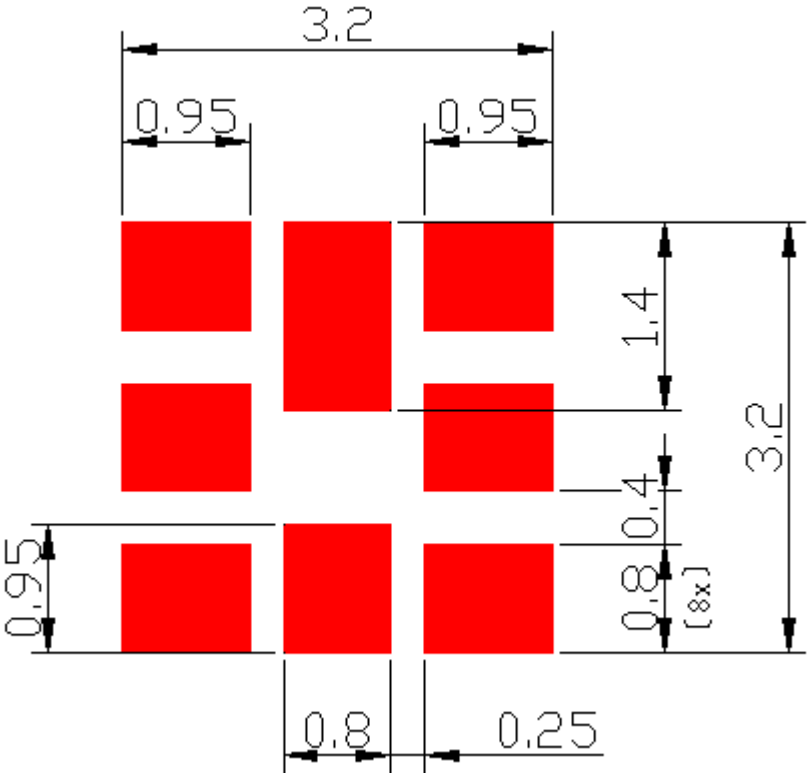
△ : Year Code (2009->9, 2010->0,..., 2018->8)

□ : Date Code (W01->A,...W26->Z,...W52->z)

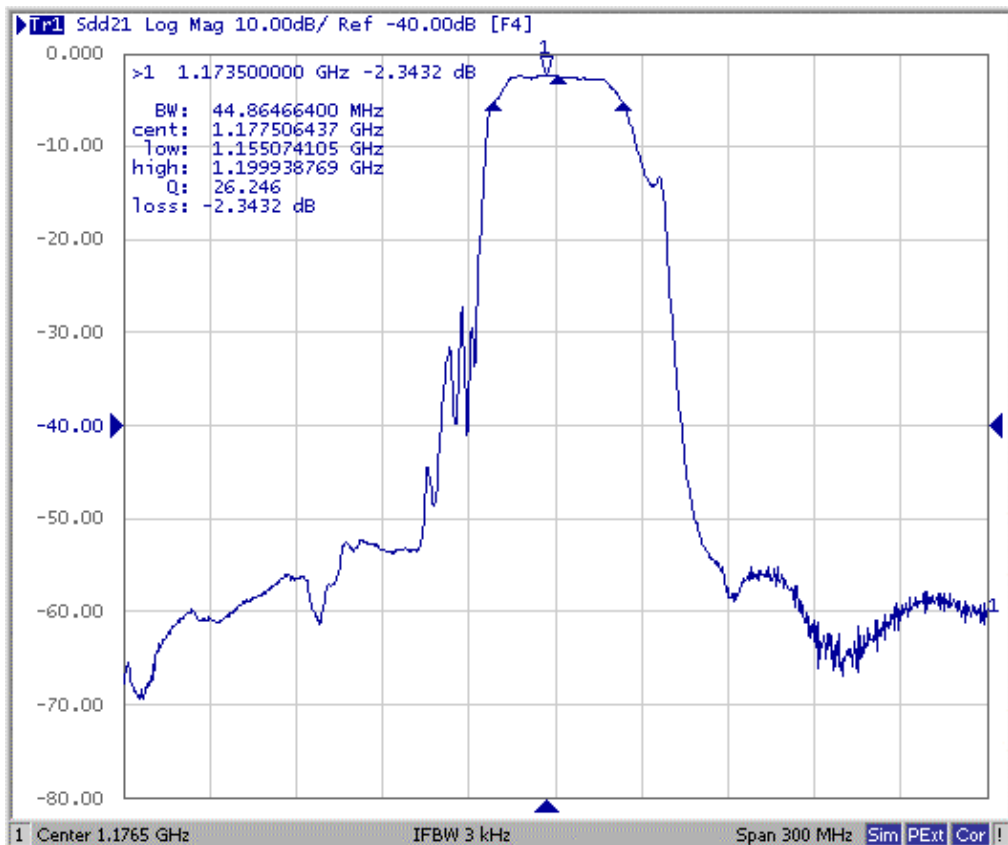
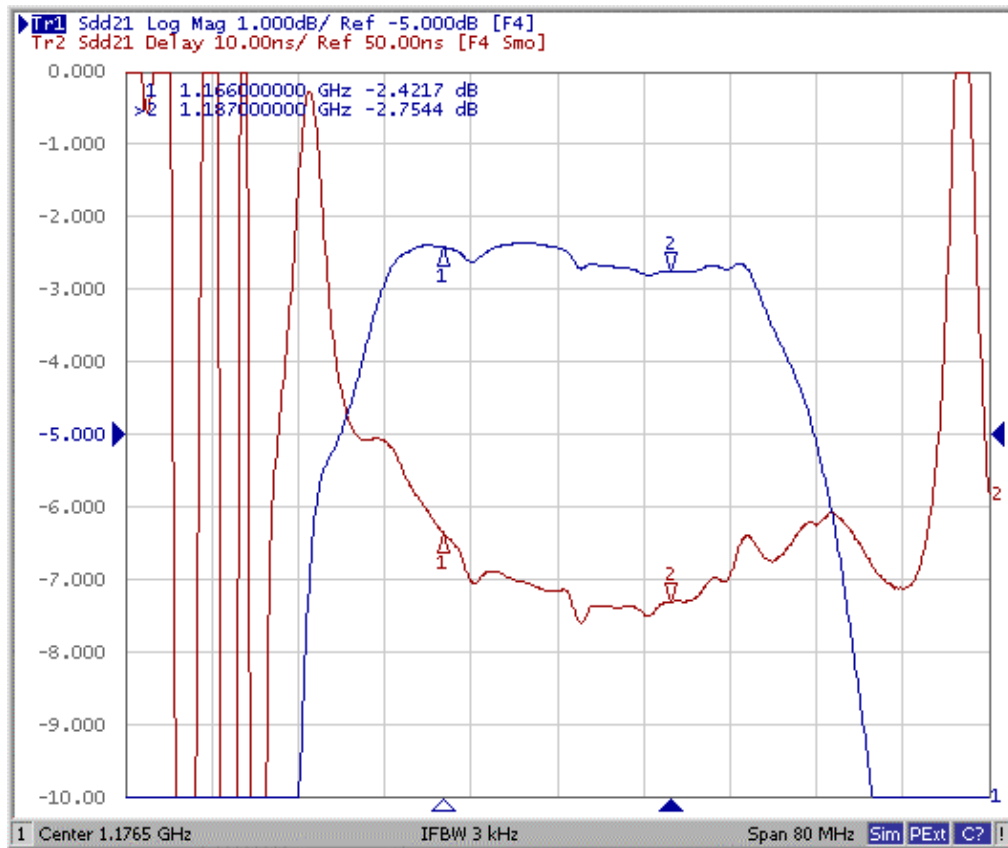
D. MEASUREMENT CIRCUIT:

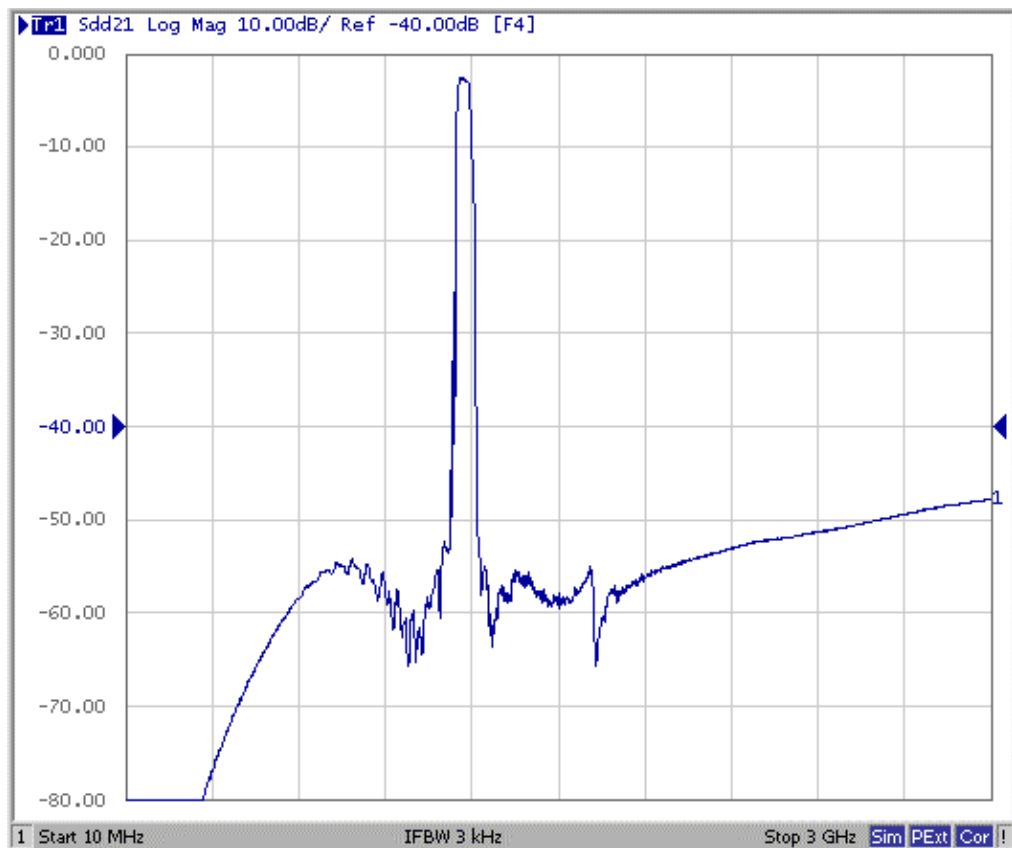


E. PCB Footprint:



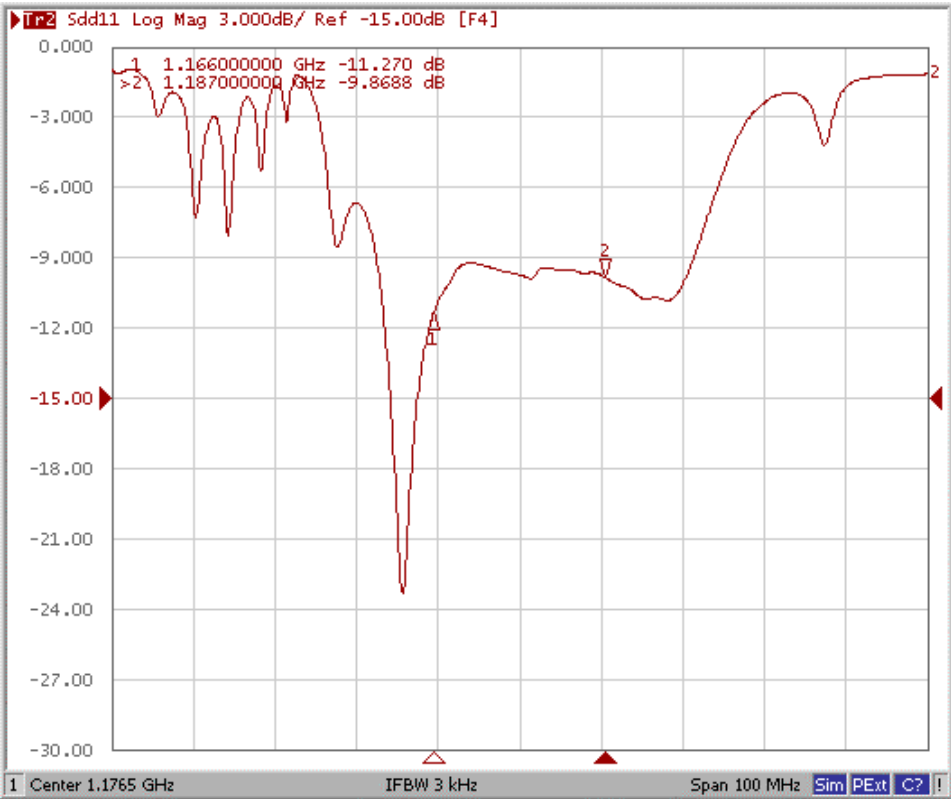
F. Frequency Characteristics :



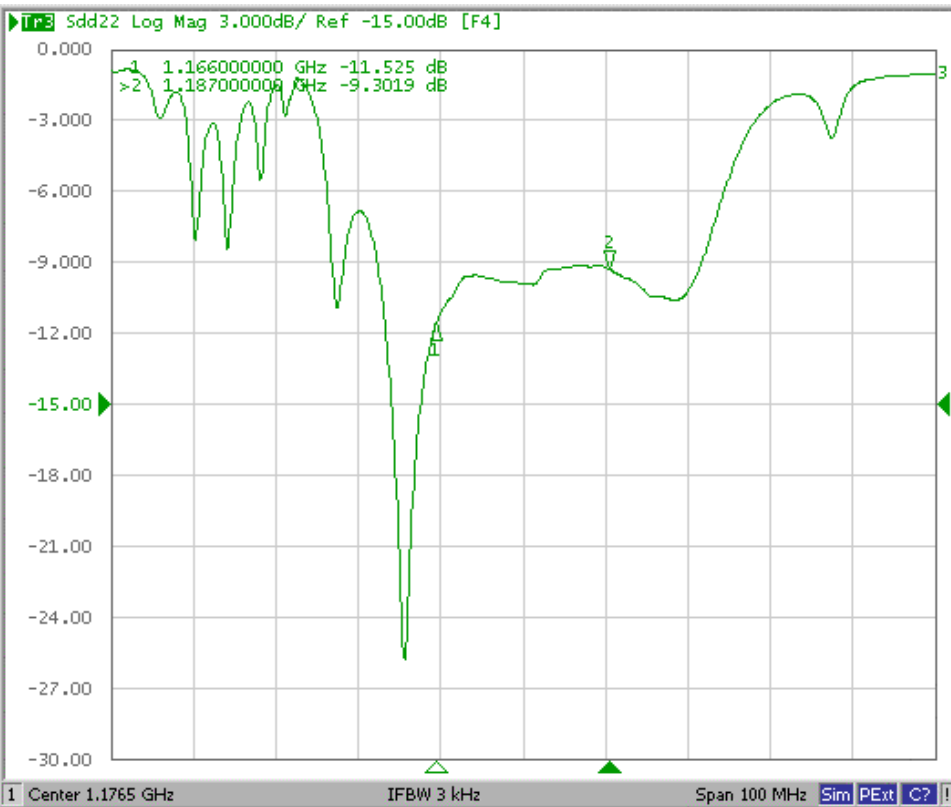


Reflection Functions :

S11



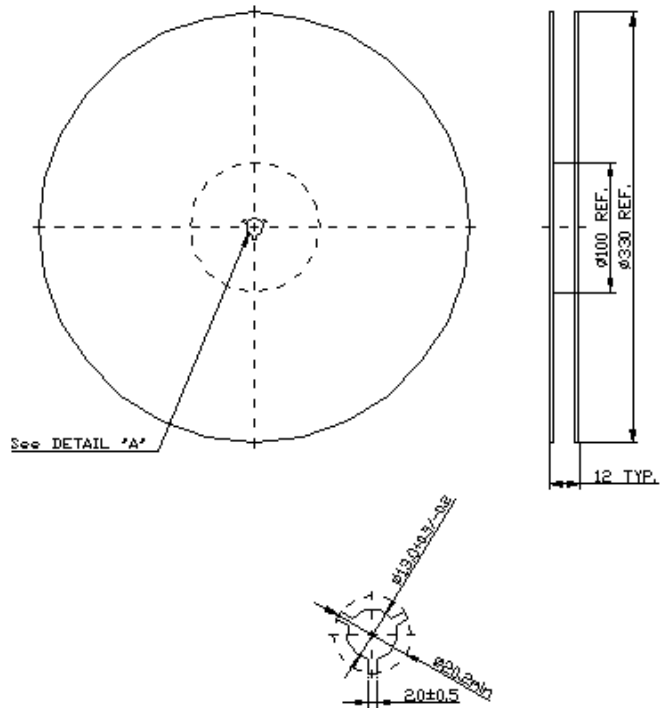
S22



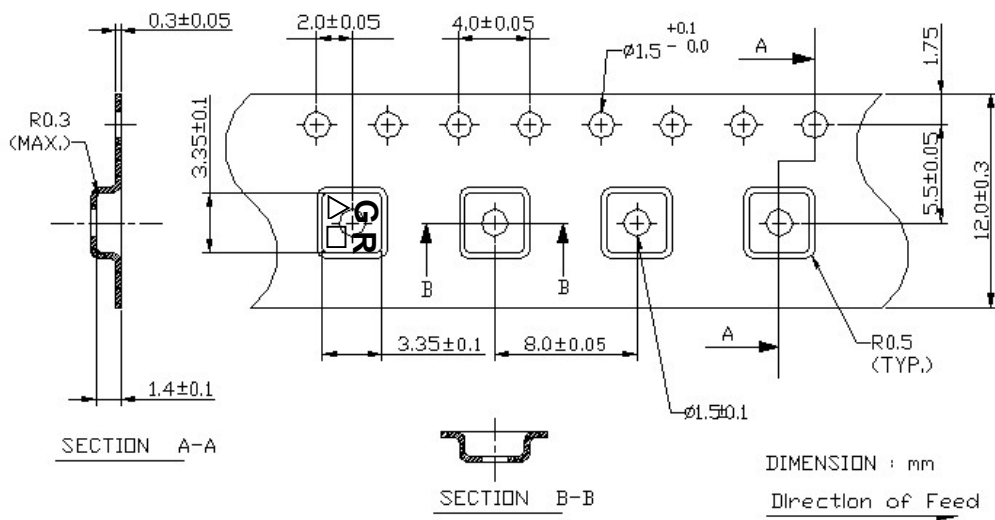
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

