



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 1284 MHz SMD 3.0x3.0 mm (BW=40 MHz)

TST Part No.: TA1443A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 張閔智

Approved by: _____ Francis Chen 

Date: _____ 2012/01/10

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 1284 MHz

MODEL NO.: TA1443A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -40°C to 85°C
4. Storage Temperature: -50°C to +125°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

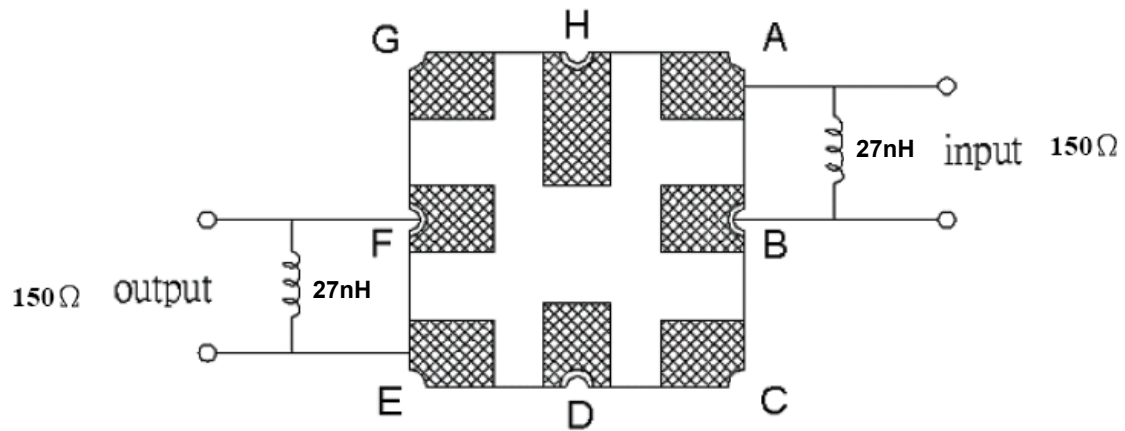
B. CHARACTERISTICS:

Terminating source impedance (differential): Z_s=150Ω // 27nH

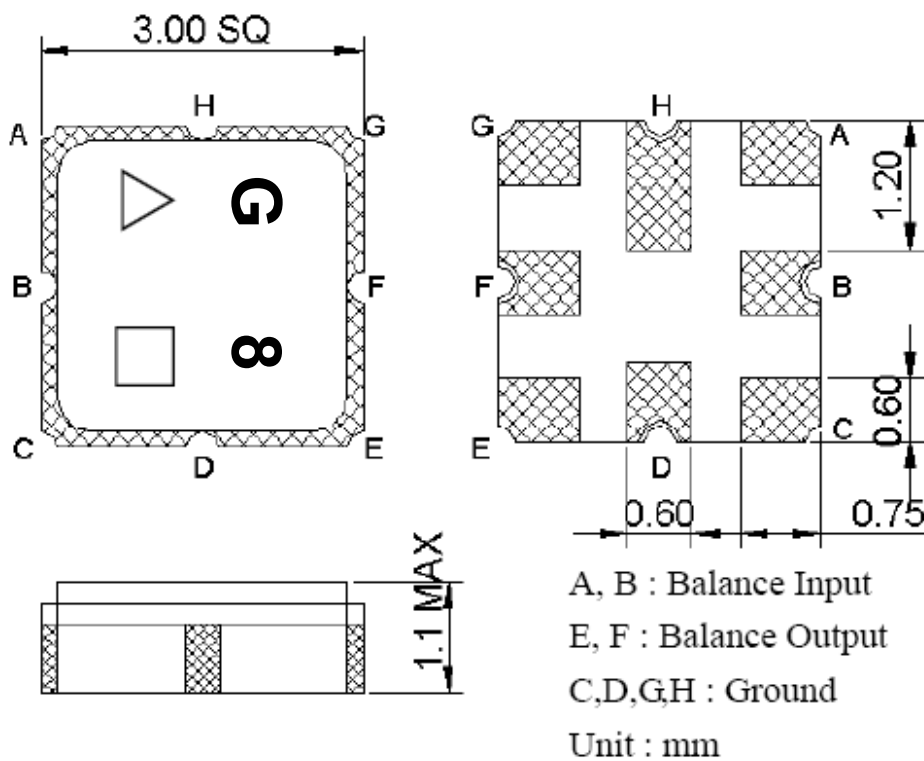
Terminating load impedance (differential): Z_L=150Ω // 27nH

Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	1284	-
Insertion loss (1264~1304 MHz) IL	dB	-	3	5
Amplitude ripple (1264~1304 MHz)	dB	-	1	2
VSWR (1264~1304 MHz)	-	-	1.7	2.5
Group delay ripple (1264~1304 MHz)	ns	-	12	25
Attenuation (reference from 0dB)				
10 ~ 860 MHz	dB	55	59	-
860 ~ 1165 MHz	dB	46	56	-
1165 ~ 1192.3 MHz	dB	40	62	-
1376 ~ 1492.2 MHz	dB	33	53	-
1492.2 ~ 2000 MHz	dB	40	53	-
2000 ~ 2500 MHz	dB	36	56	-
2500 ~ 6000 MHz	dB	15	20	-
Temperature Coefficient of Frequency	Ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:



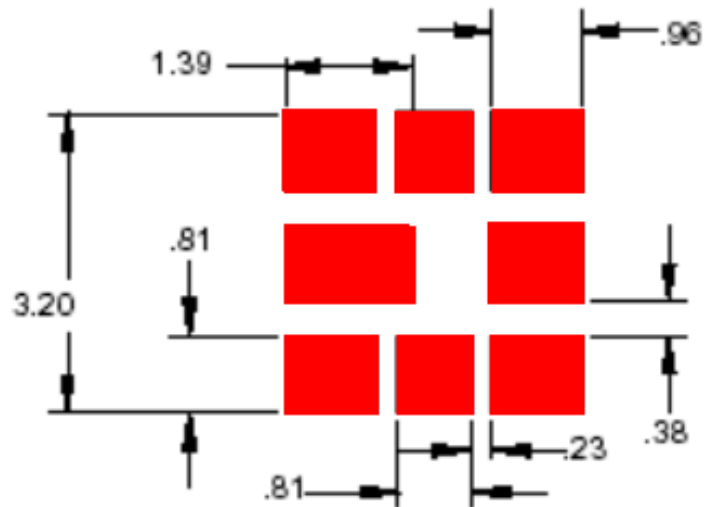
D. OUTLINE DRAWING:



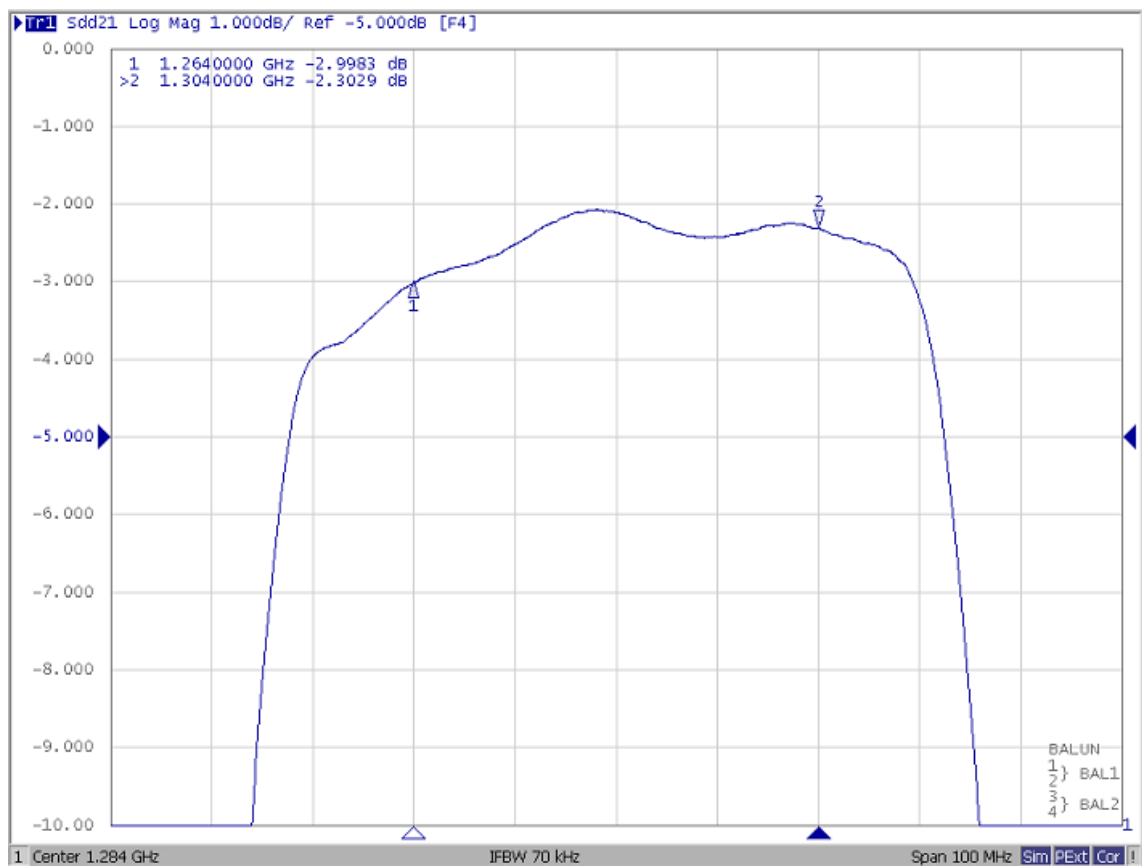
△: Year Code(2011->1,...,2020->0)

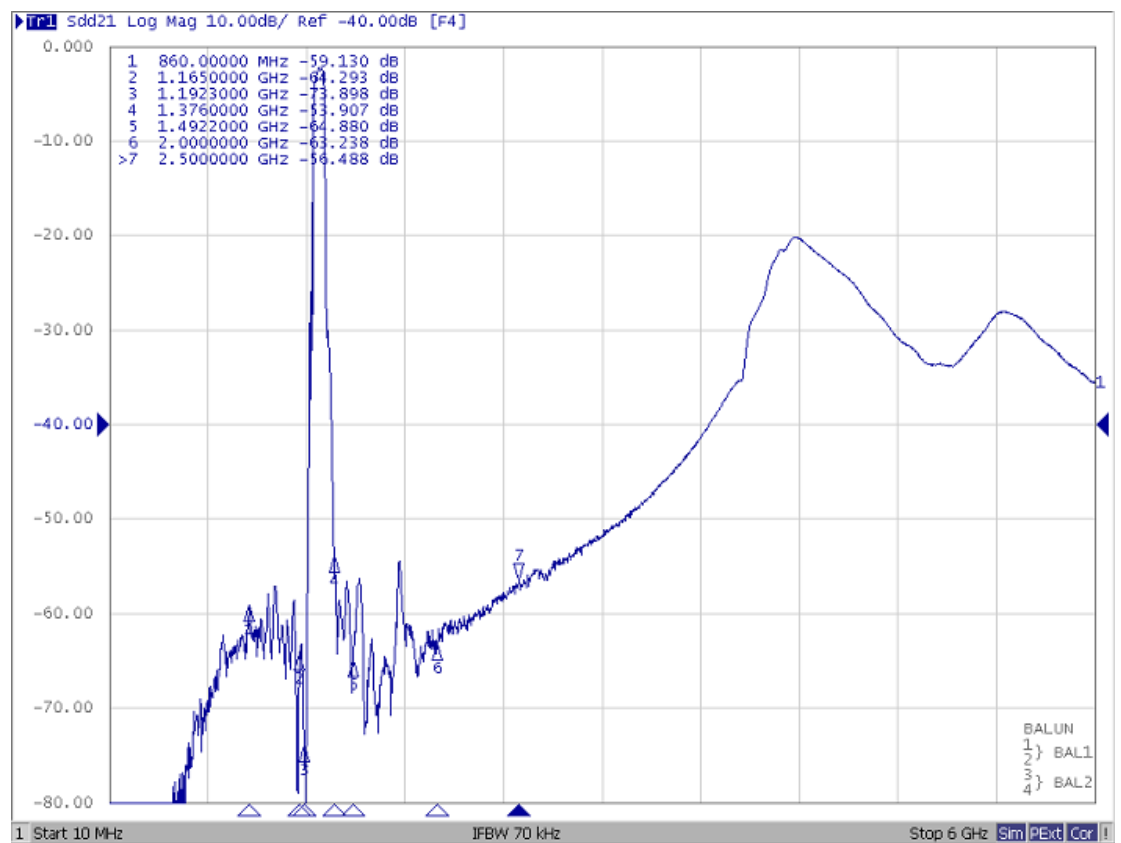
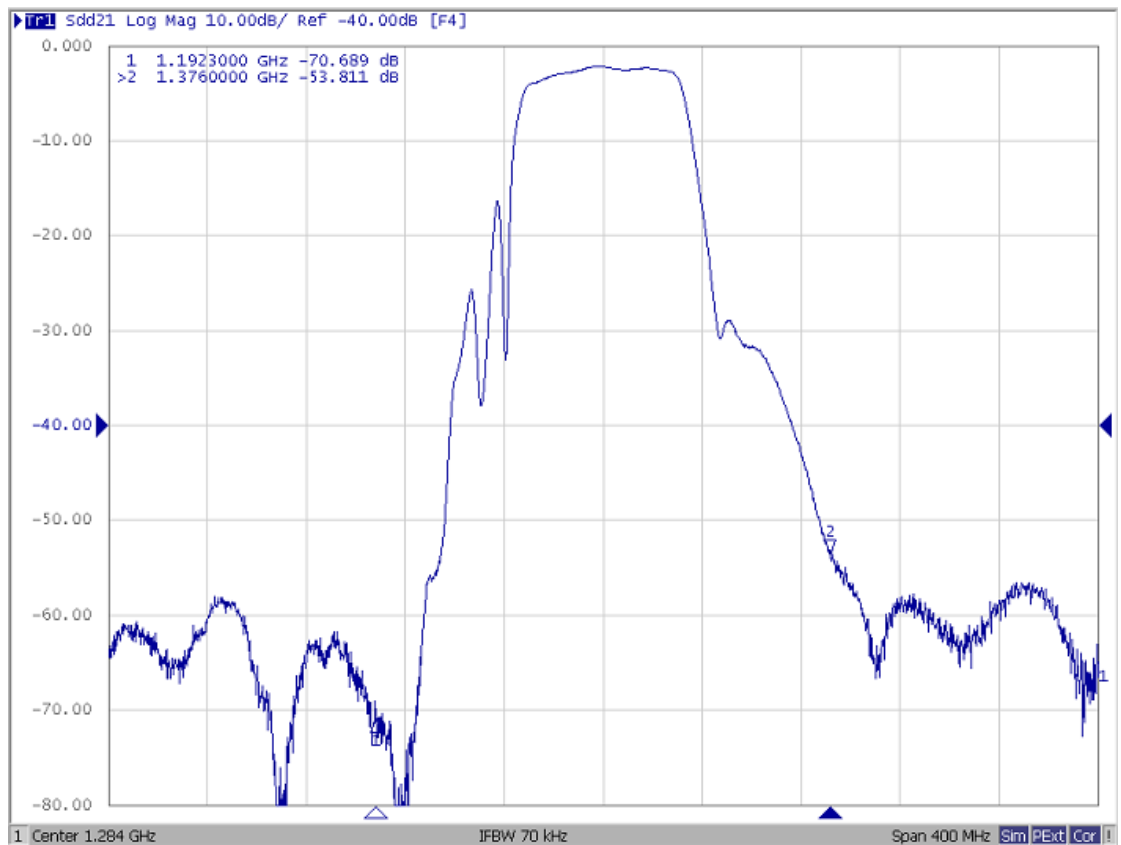
□: Date Code(W01->A, W02->B,..., W27->a, W52->z)

E. PCB FOOTPRINT:



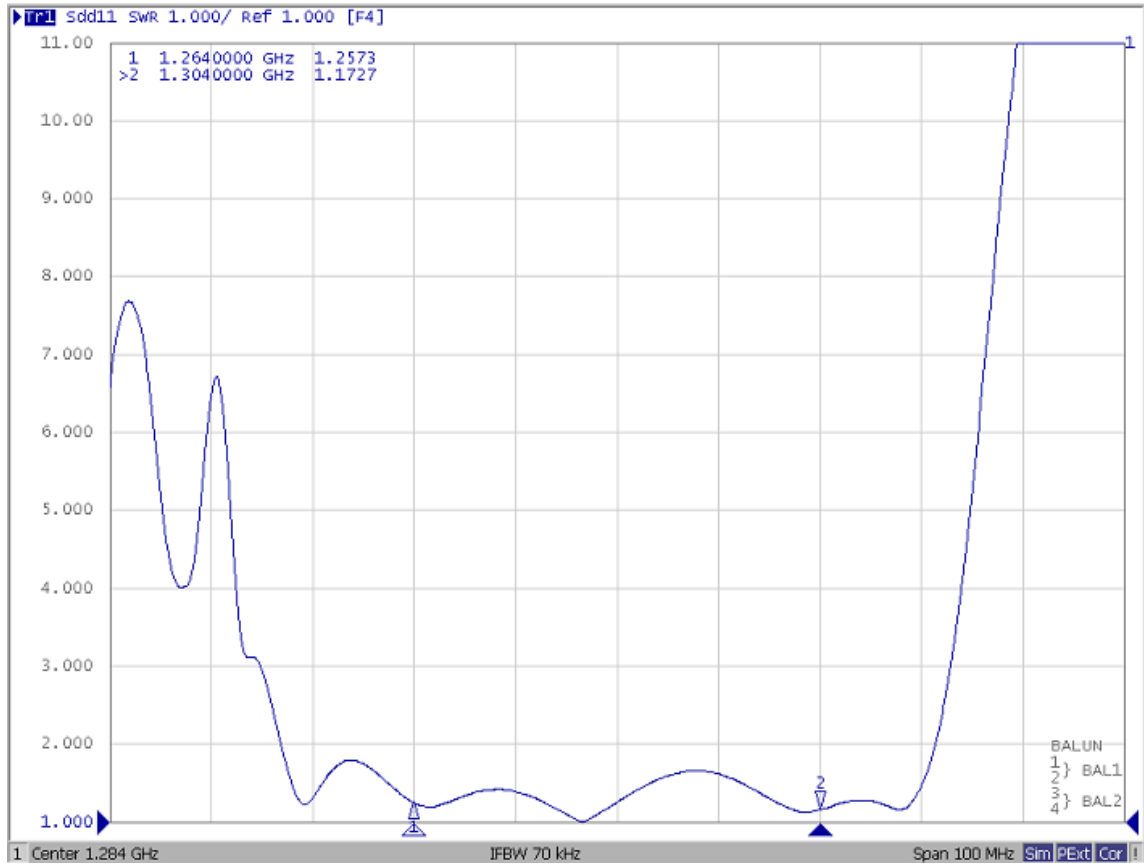
F. Frequency Characteristics:



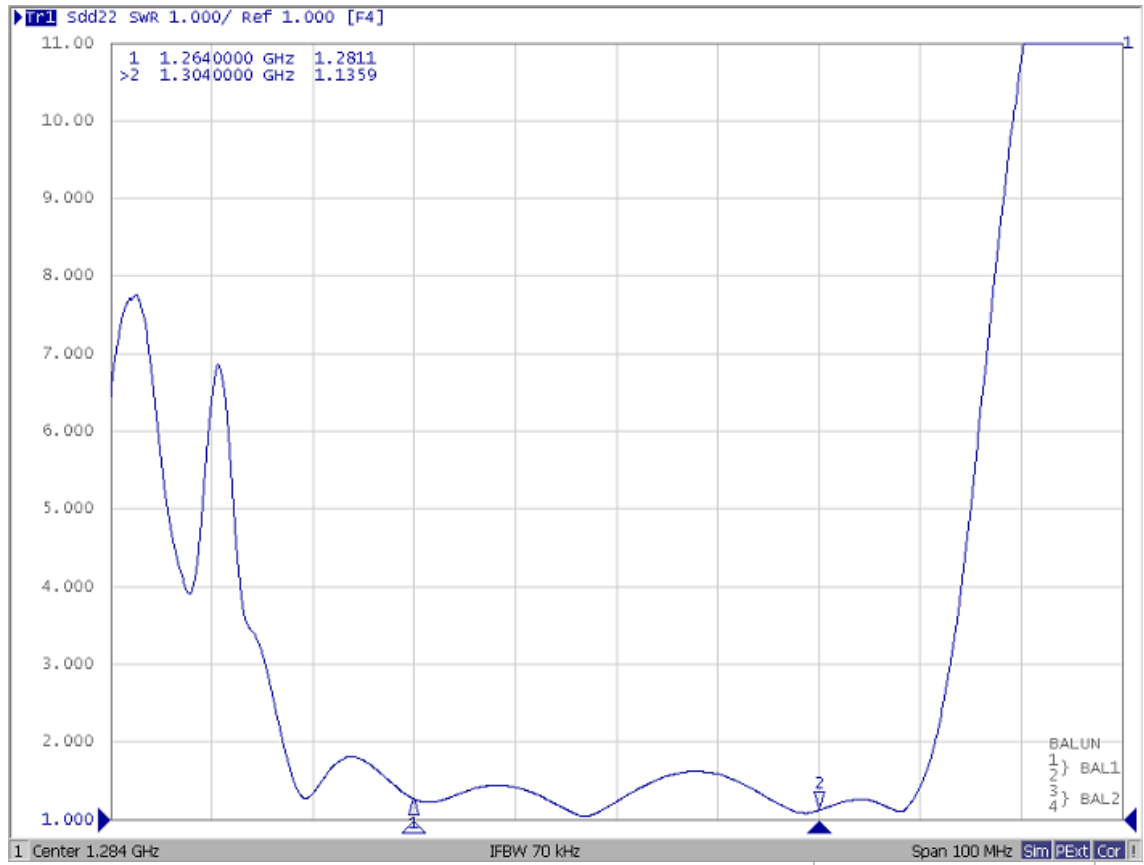


Reflection Functions:

S11

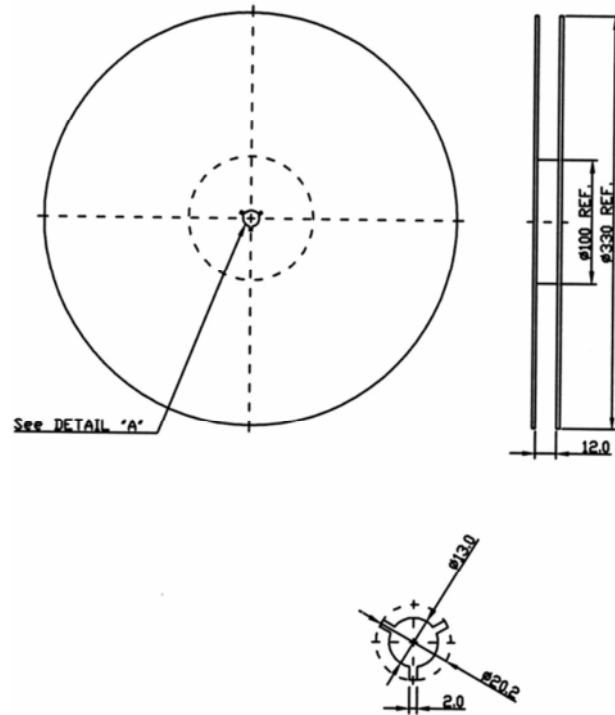


S22

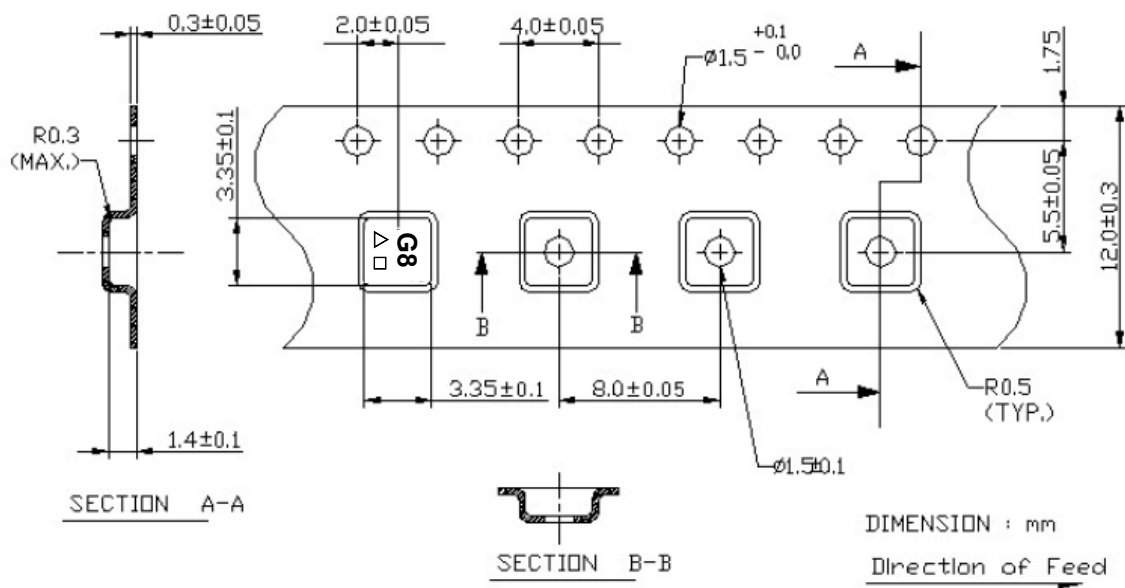


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

