



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 1400 MHz SMD 3.0x3.0 mm (BW=40 MHz)

TST Part No.: TA1444A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 張閱智

Approved by: _____ Francis Chen 陳國強

Date: _____ 2012/02/06

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 1400 MHz

MODEL NO.: TA1444A

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)

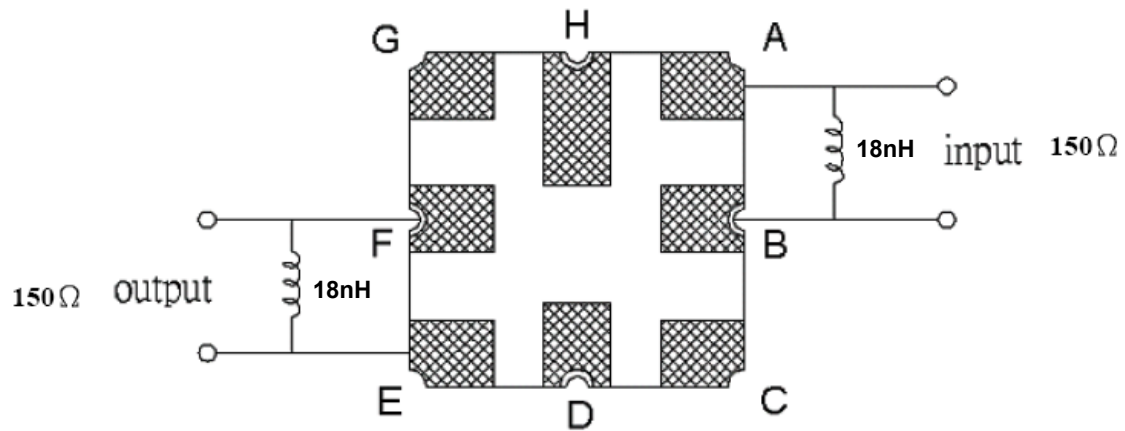
B. CHARACTERISTICS:

Terminating source impedance (differential): Z_s=150Ω // 18nH

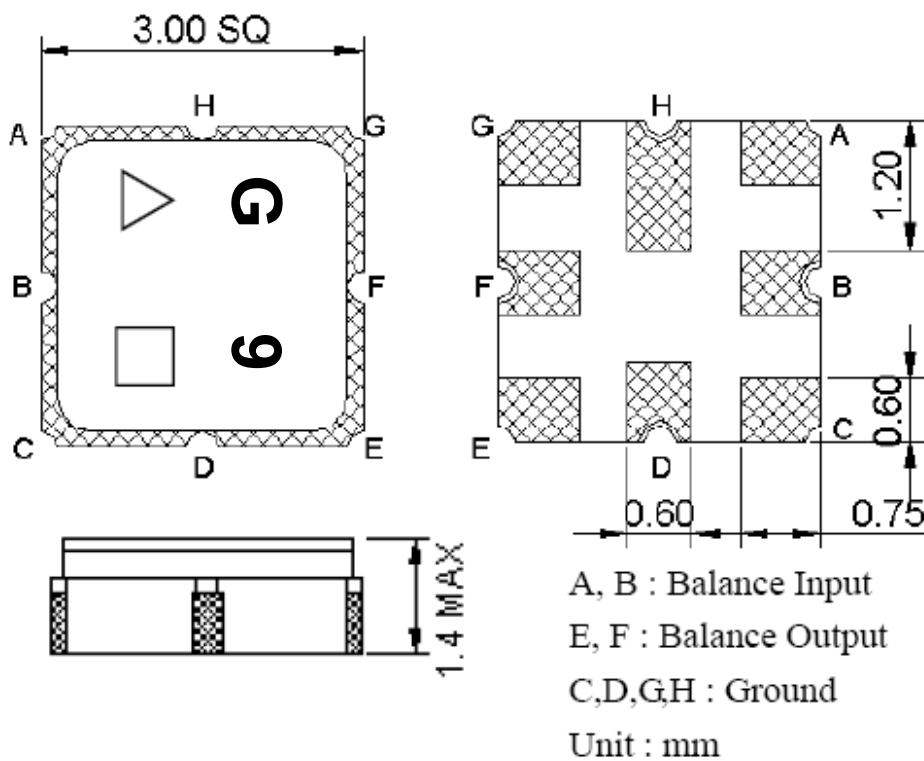
Terminating load impedance (differential): Z_L=150Ω // 18nH

Item	Unit	Min.	Typ.	Max.
Center frequency F _c	MHz	-	1400	-
Insertion loss (1380~1420 MHz) IL	dB	-	3.1	5
Amplitude ripple (1380~1420 MHz)	dB	-	0.9	2
VSWR (1380~1420 MHz)	-	-	1.9	2.5
Group delay ripple (1380~1420 MHz)	ns	-	11	25
Attenuation (reference from 0dB)				
10 ~ 860 MHz	dB	55	65	-
860 ~ 1100 MHz	dB	46	58	-
1100 ~ 1308.1 MHz	dB	40	55	-
1492.2 ~ 1608.4 MHz	dB	33	47	-
1608.4 ~ 2000 MHz	dB	40	54	-
2000 ~ 2250 MHz	dB	36	58	-
2250 ~ 6000 MHz	dB	15	20	-
Temperature Coefficient of Frequency	Ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:



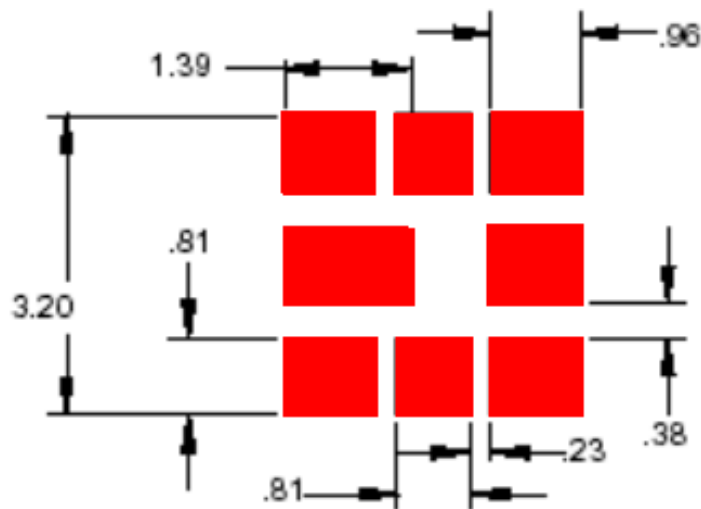
D. OUTLINE DRAWING:



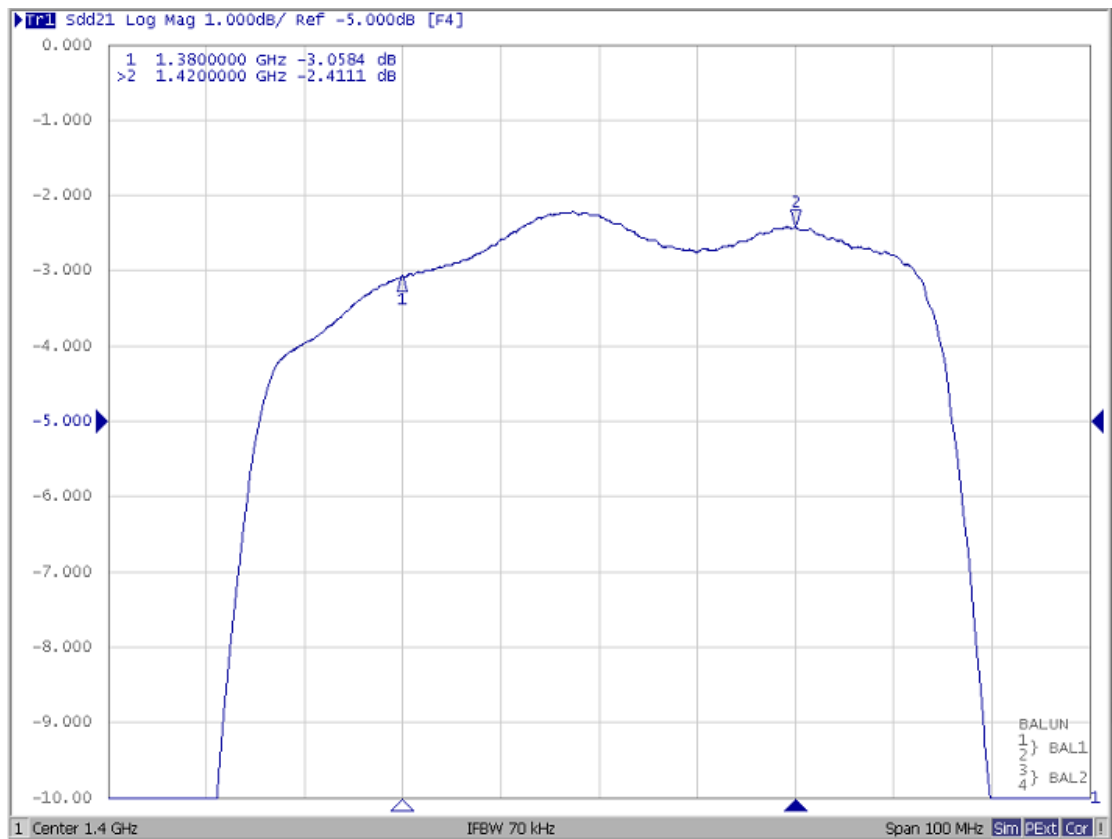
△: Year Code(2011->1,...,2020->0)

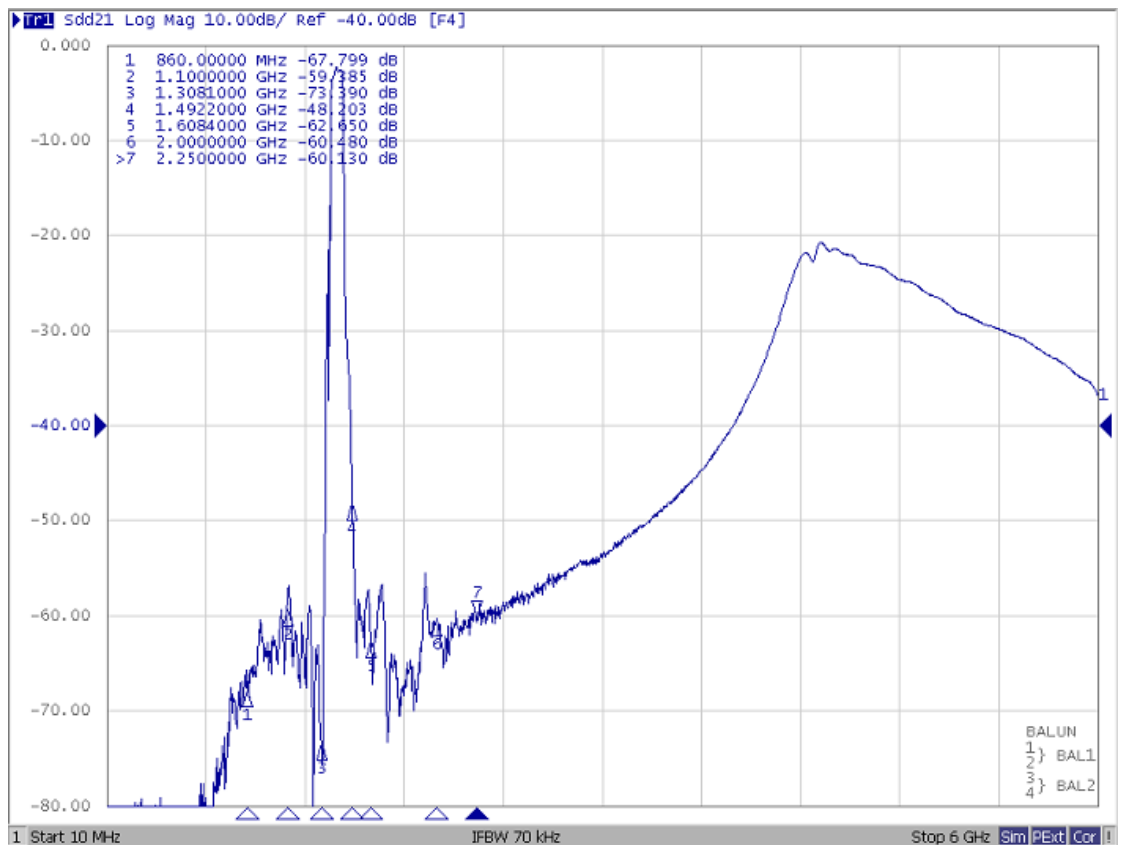
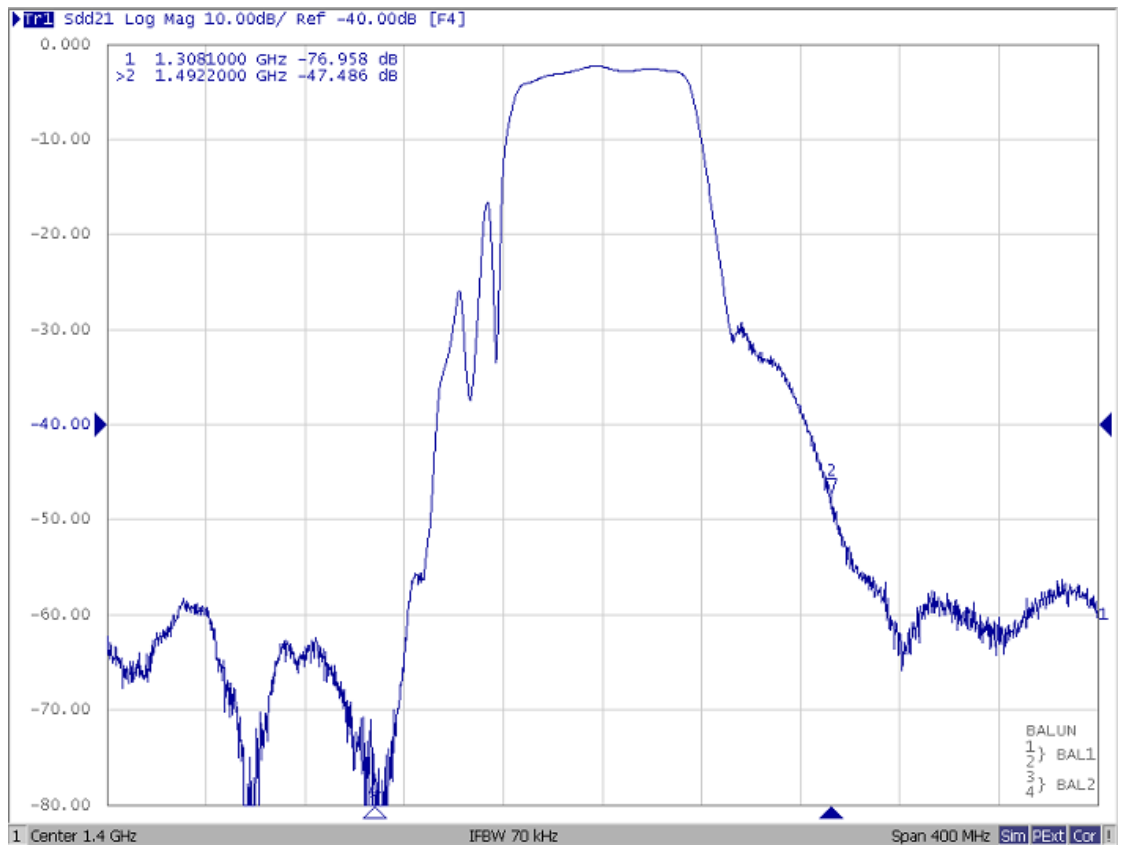
□: Date Code(W01->A, W02->B,..., W27->a, W52->z)

E. PCB FOOTPRINT:



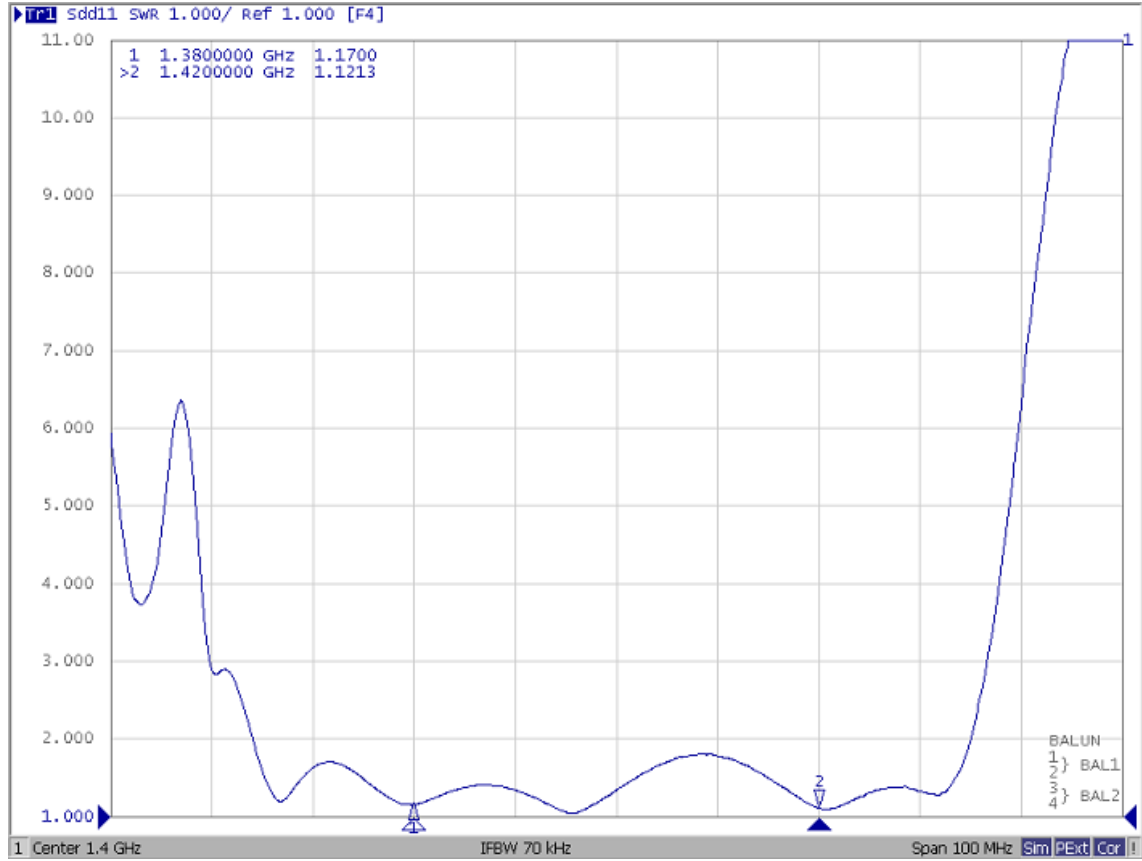
F. Frequency Characteristics:



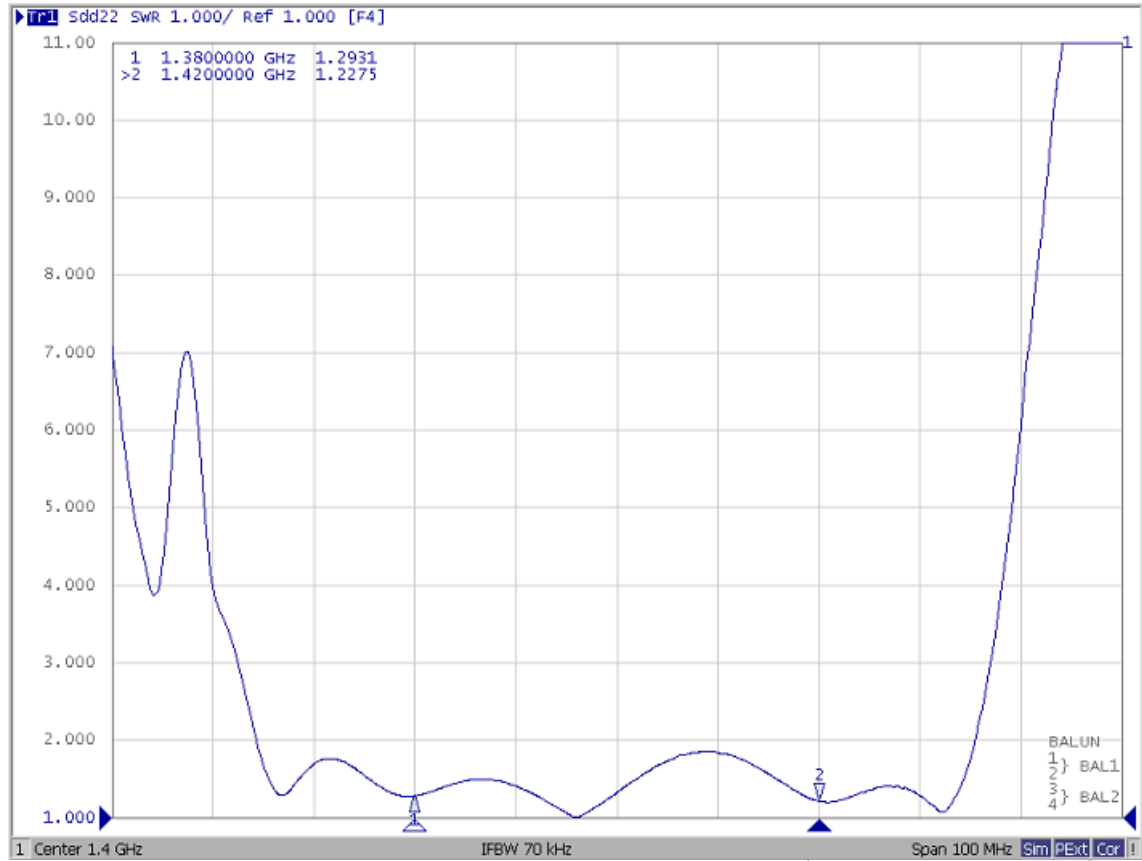


Reflection Functions:

S11

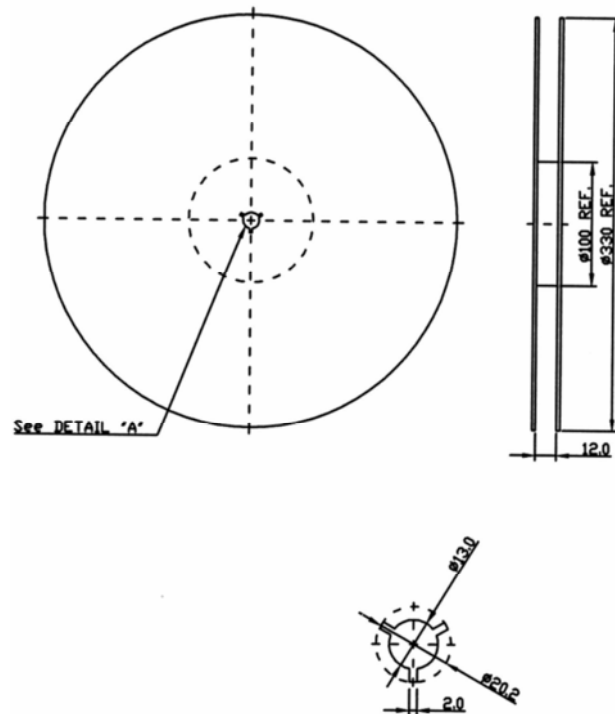


S22

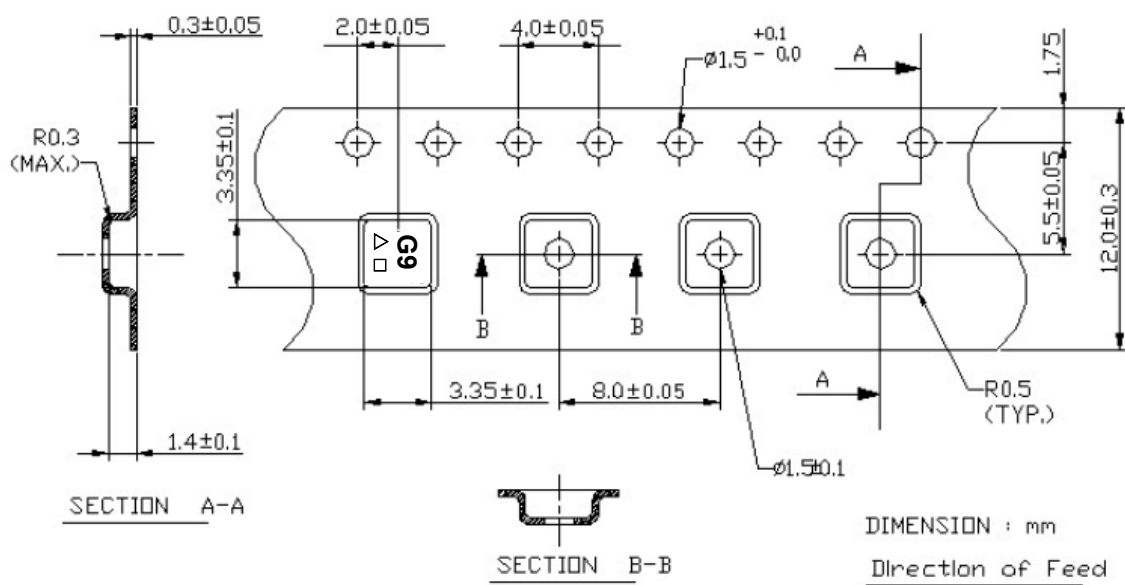


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

