



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 460 MHz SMD 3.0x3.0 mm

TST Part No.: TA1406A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Michael Yang 

Approved by: _____ Bob Chau 

Date: _____ 2015/10/07

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.



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

SAW Filter 460 MHz

MODEL NO.: TA1406A

REV. NO:2.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

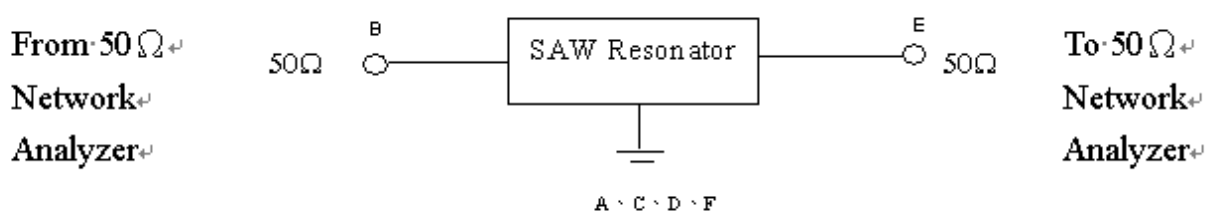
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min	Type	Max
Center frequency F_c	MHz	-	460	-
Insertion loss (450~470 MHz) IL	dB	-	2.4	3.5 ¹⁾
Amplitude Ripple (450~470 MHz)	dB	-	0.9	2.4 ²⁾
Return loss (450~470 MHz)	dB	6	7	-
Attenuation (Reference level from 0 dB)				
0.3 ~ 300 MHz	dB	30	42	-
300 ~ 380 MHz	dB	24	34	-
380 ~ 430 MHz	dB	15	23	-
504.825 ~ 524.825 MHz	dB	12	32	-
559.65 ~ 579.65 MHz	dB	28	41	-
669.3 ~ 689.3 MHz	dB	24	37	-
689.3 ~ 1000 MHz	dB	26	34	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

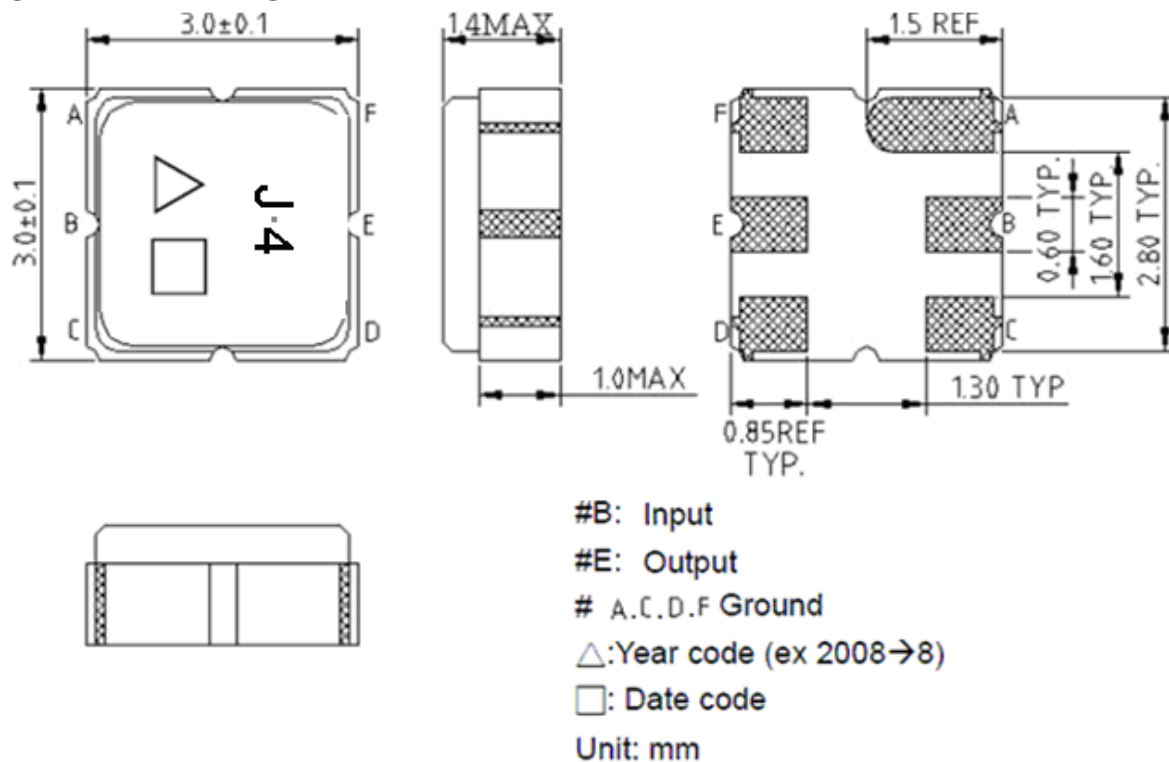
1) 2.4dB at 25°C; 3.2dB for -30°C to +60°C

2) 1.1dB at 25°C; 2.2dB for -30°C to +60°C

C. MEASUREMENT CIRCUIT:

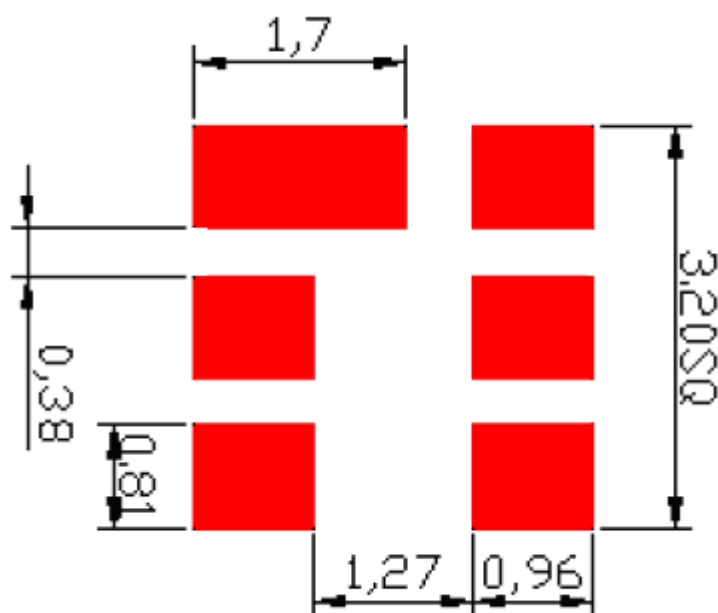


D.OUTLINE DRAWING:



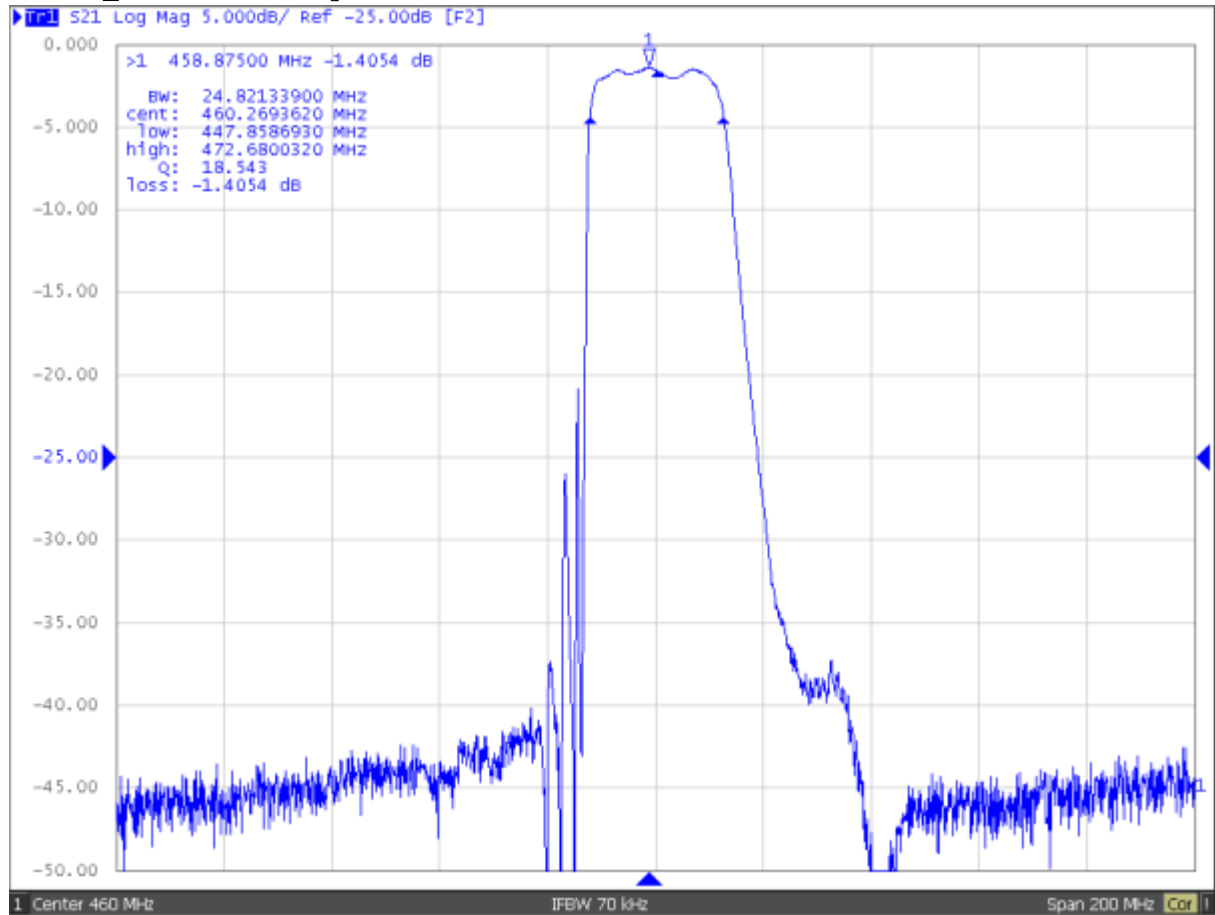
△ : Year Code (2010->0, 2011->1,..., 2019->9)
 □ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

E. PCB Footprint:

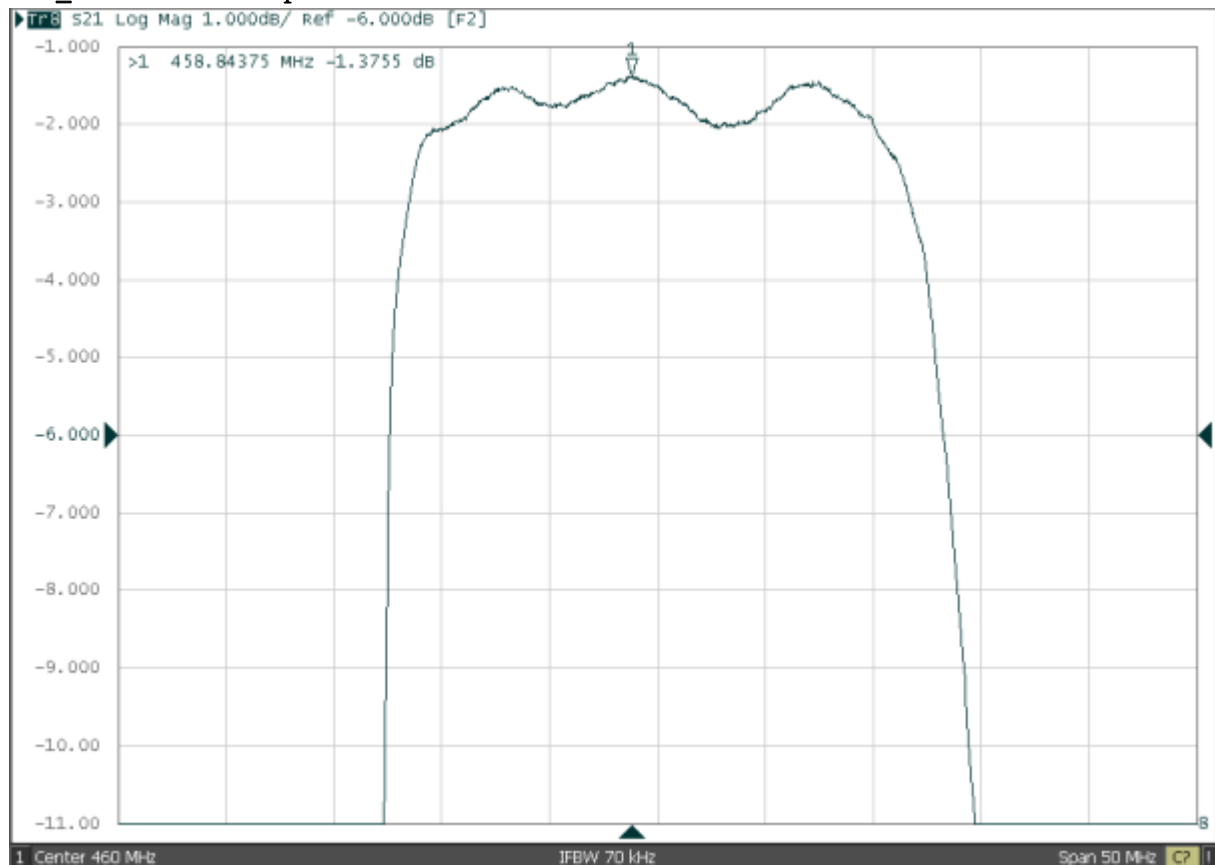


F. Frequency Characteristics:

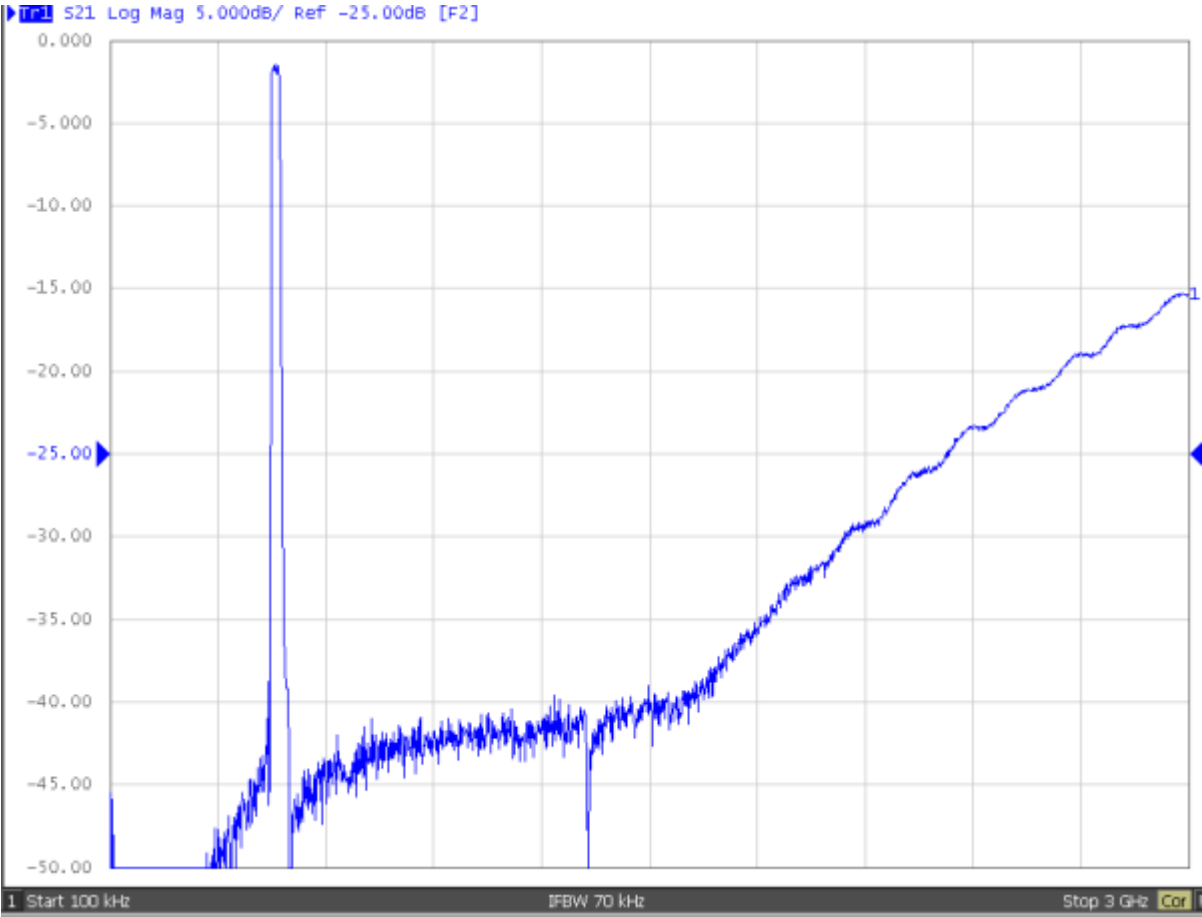
1、S21_Measurement : Span 200MHz



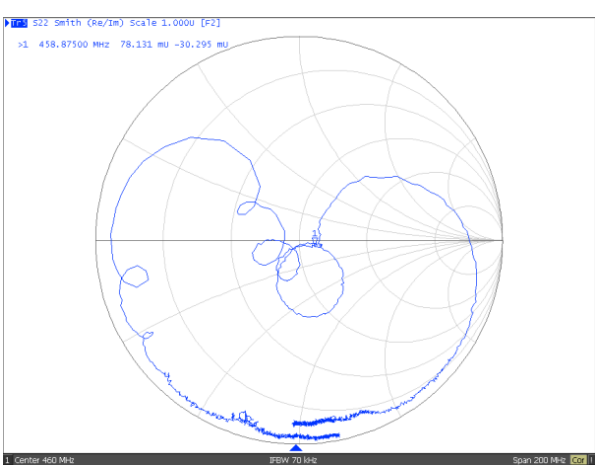
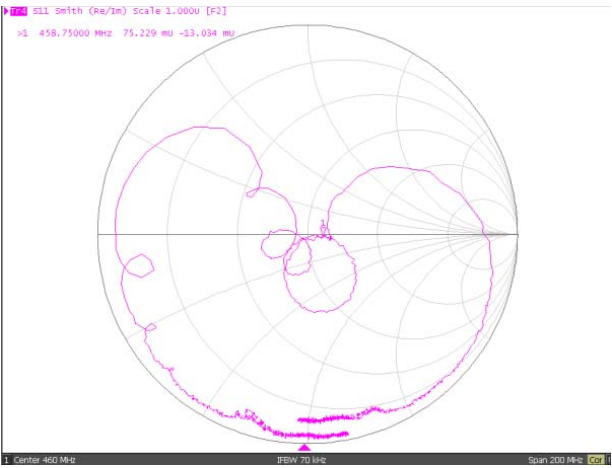
S21_Measurement : Span 50MHz



S21_Measurement : Span 3GHz



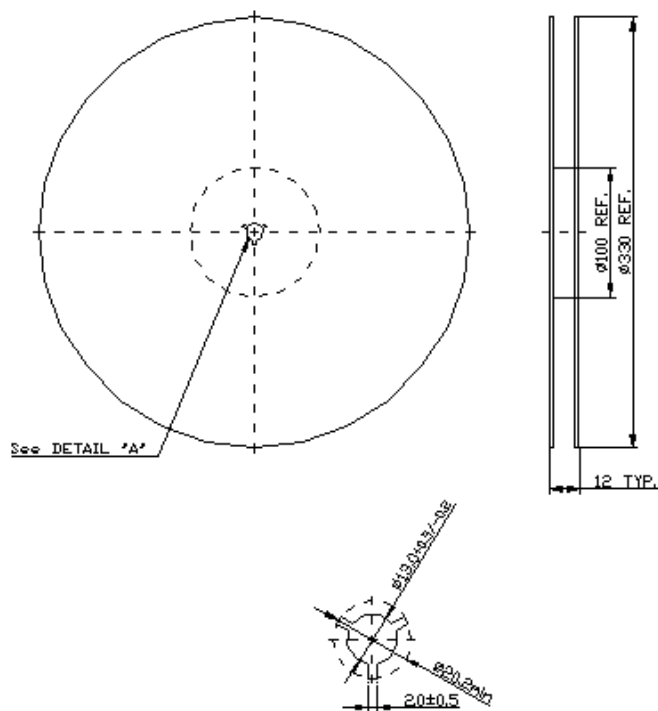
2、S11/S22 Measurement :



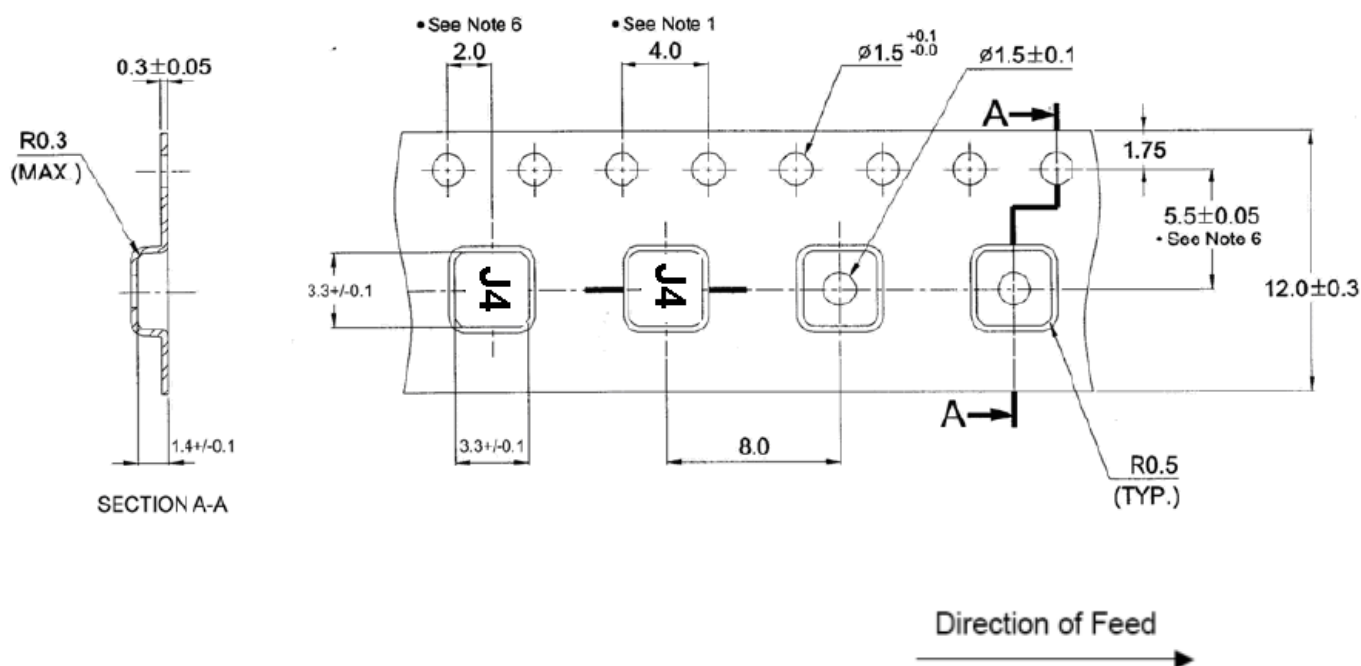
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

