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 Name: SAW Filter 434.1MHz 10MHz BW SMD 3.8×3.8mm

TST Parts No.: TA1672A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Yu _____

Approval by:_____ Bob Chau _____

Date:_____ 2014/07/07 _____

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 change.

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SAW Filter 434.1MHz 10MHz BW SMD 3.8×3.8mm

MODEL NO.:TA1672A REV. NO.:1.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic **S**ensitive **D**evice (**ESD**)

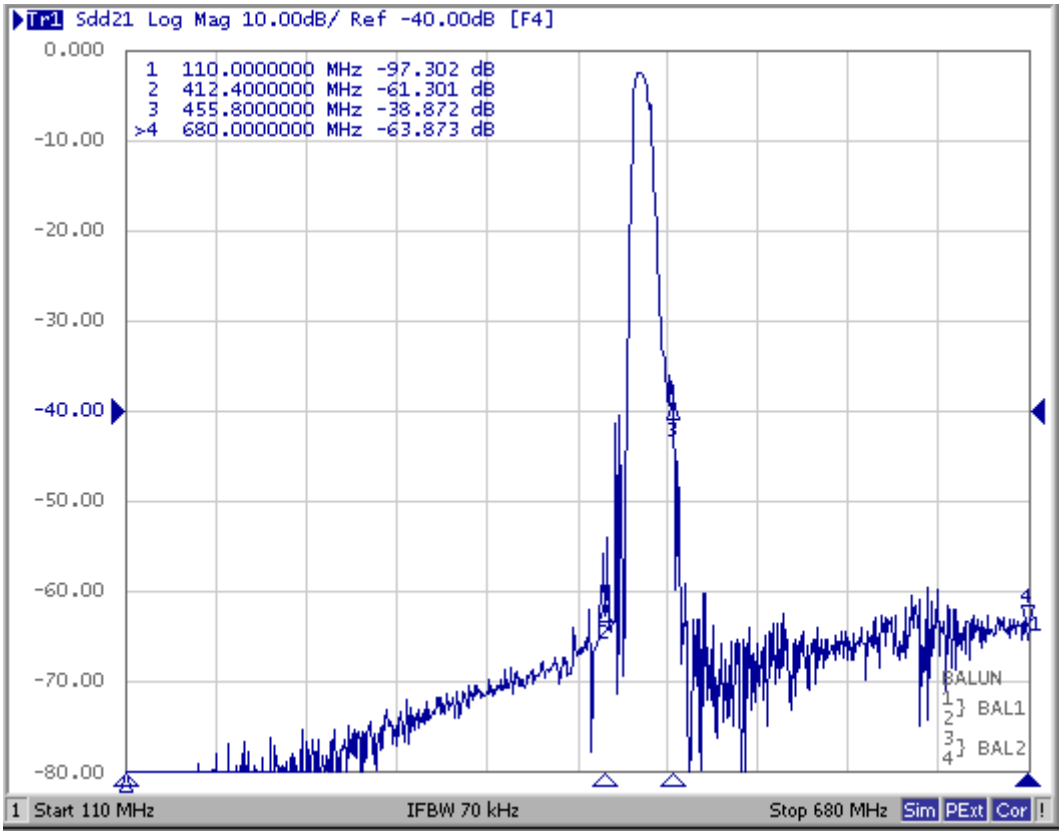
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (differential)
Terminating load impedance (differential)

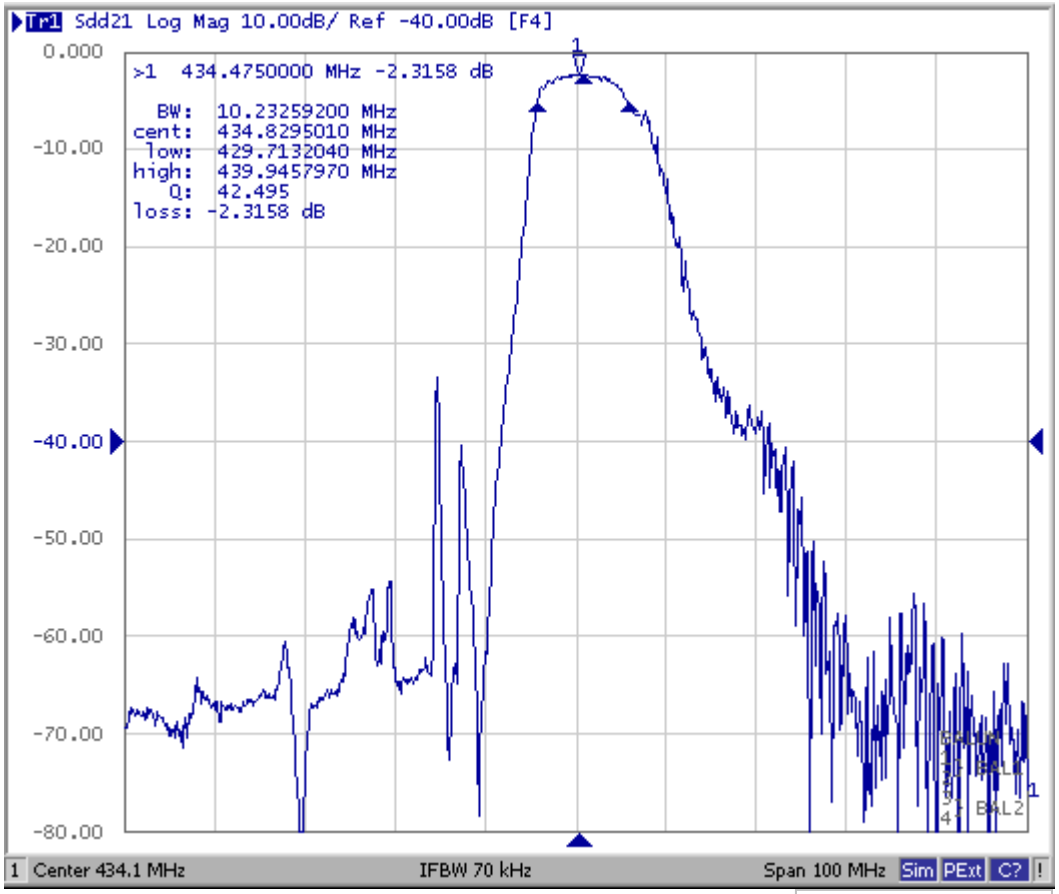
Item			Unit	Min.	Typ.	Max.
Center frequency	Fc	MHz		-	434.1	-
3dB Bandwidth		MHz	dB	10	10.3	-
I/O Return Loss			dB	-	11	-
Min. Insertion loss			dB	-	2.4	3.5
Group Delay Variation			nsec		60	100
Attenuation (reference from 0dB)						
10 ~ 412.4 MHz			dB	30	53	-
455.8 ~ 680 MHz			dB	25	38	-
Source impedance		Z_S	Ω	-	100	-
Load impedance		Z_L	Ω	-	100	-

C. FREQUENCY CHARACTERISTICS:

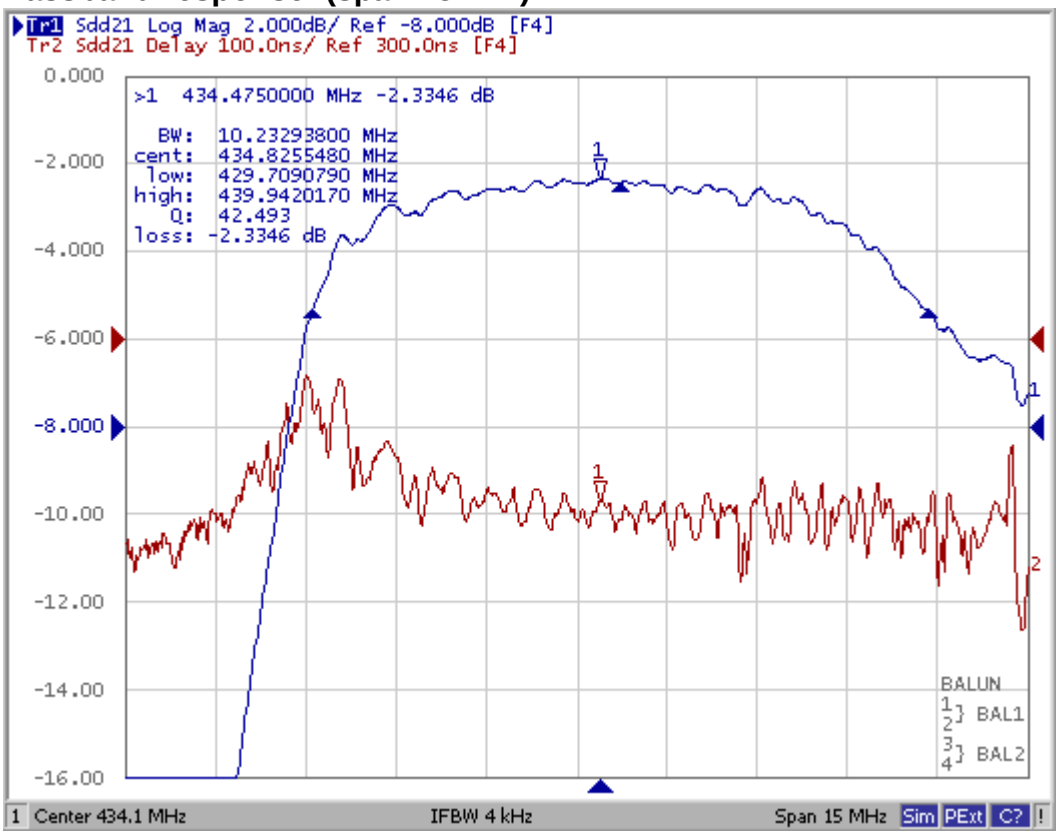
Wideband response: (span 570MHz)



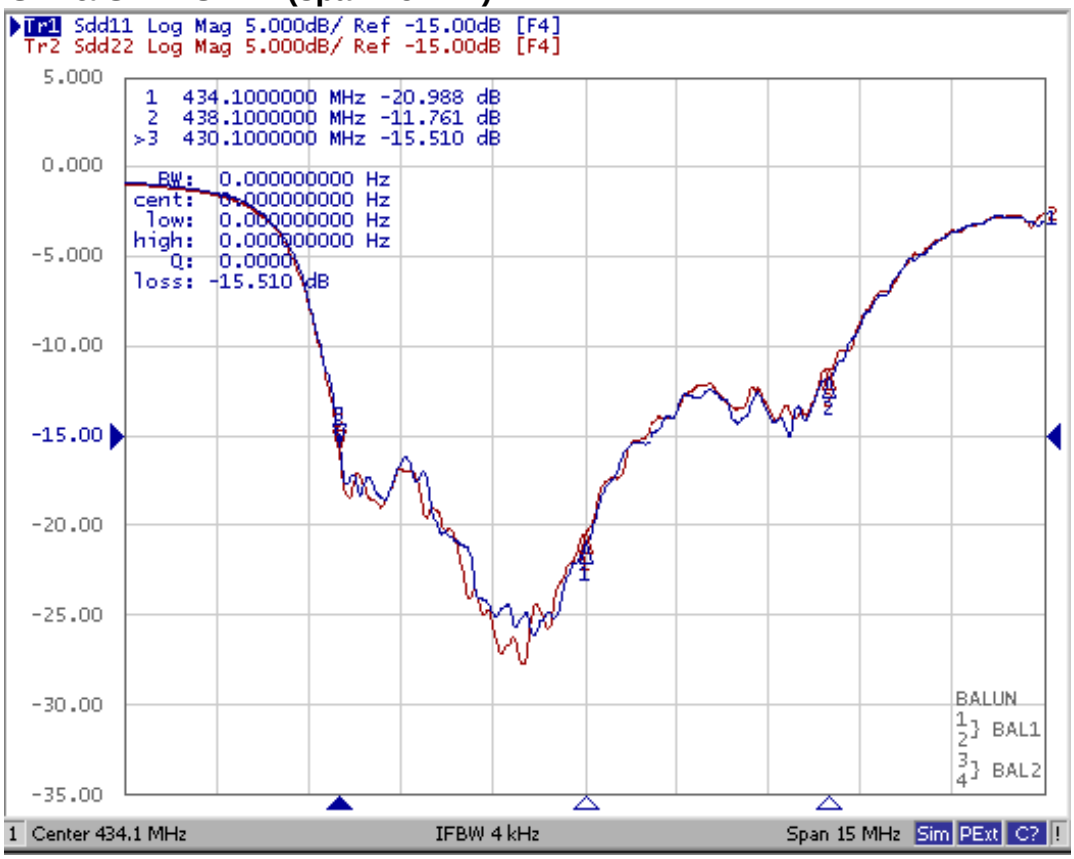
Sdd21 response: (span 200MHz)



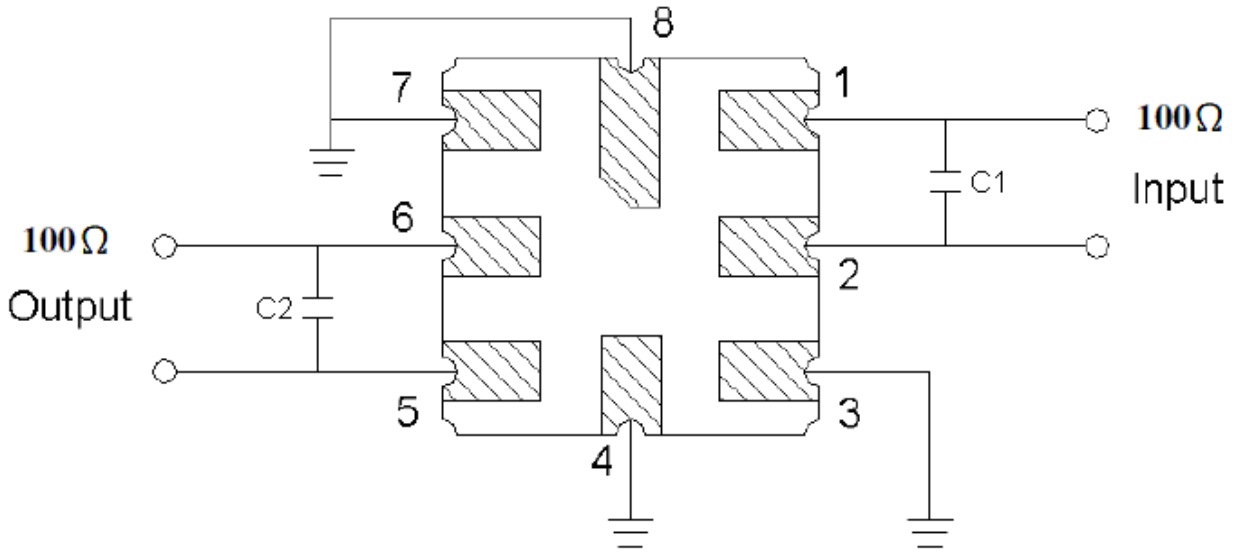
Passband response: (span 15MHz)



S11 & S22 VSWR: (span 15MHz)

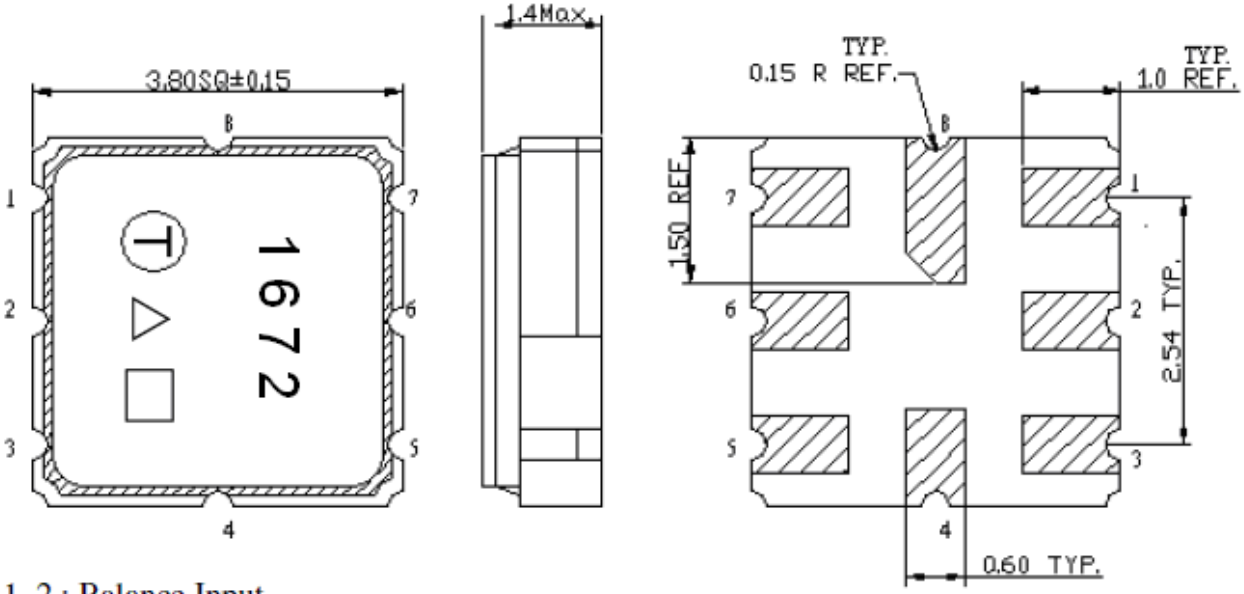


D. MEASUREMENT CIRCUIT:



C1=C2= 2pF

E. OUTLINE DRAWING:



1, 2 : Balance Input

5, 6 : Balance Output

3,4,7,8 : Ground

Unit : mm

△:Year Code

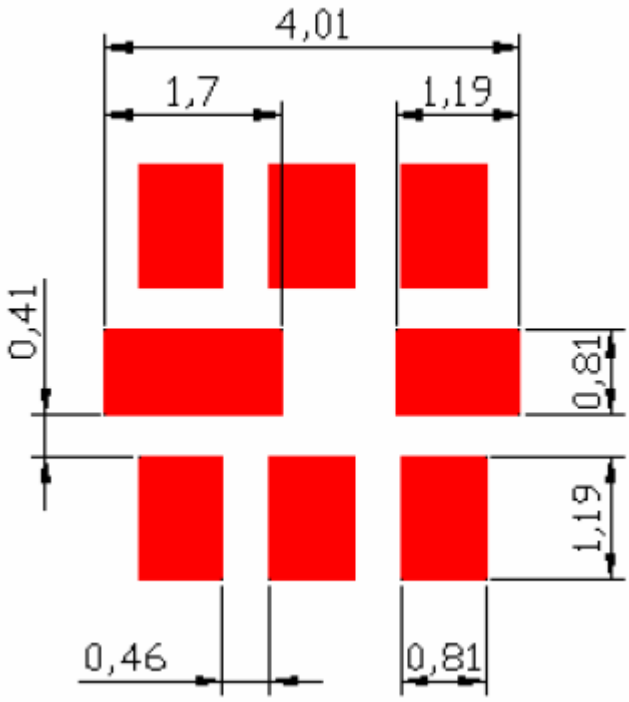
□: Date Code(Follow the table provided by planner each year.)

Unit: mm

Product Year Code

Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	A	a	A	a

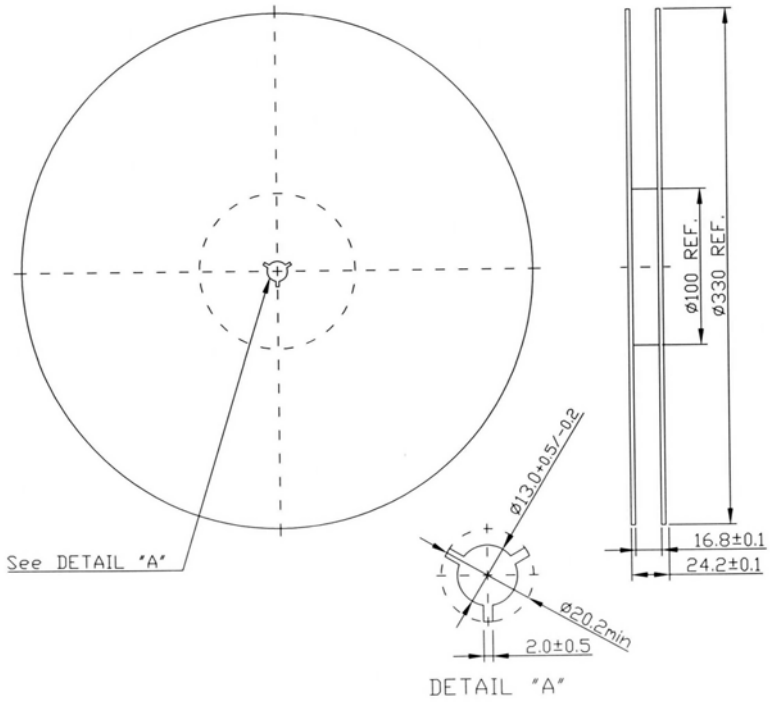
F. PCB FootPrint



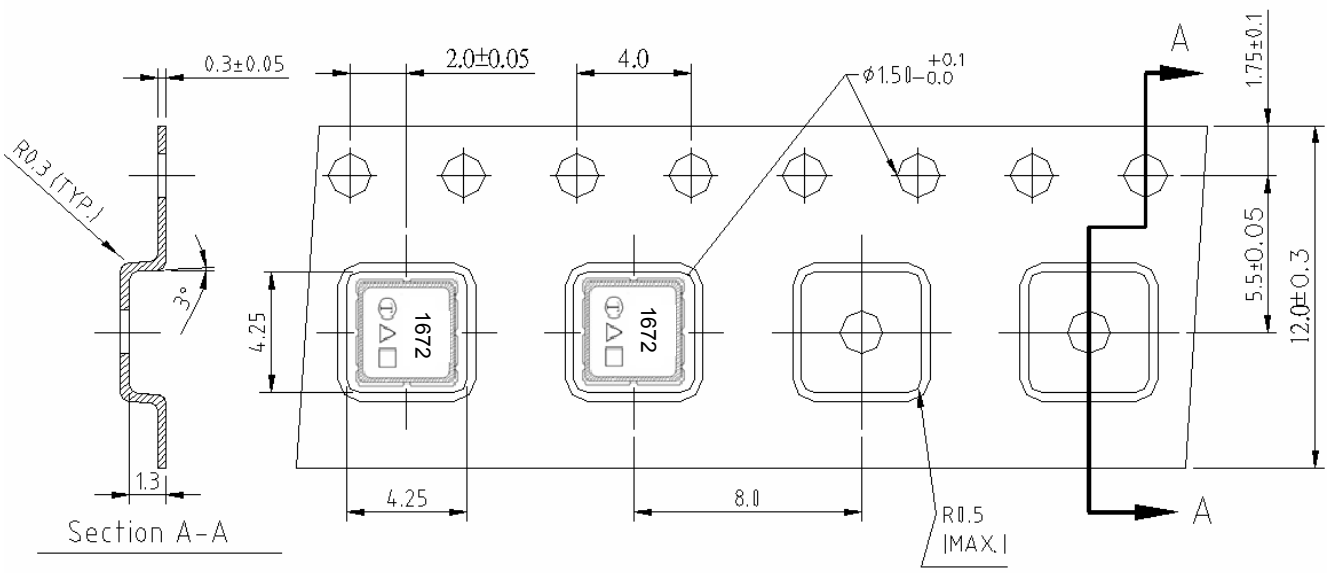
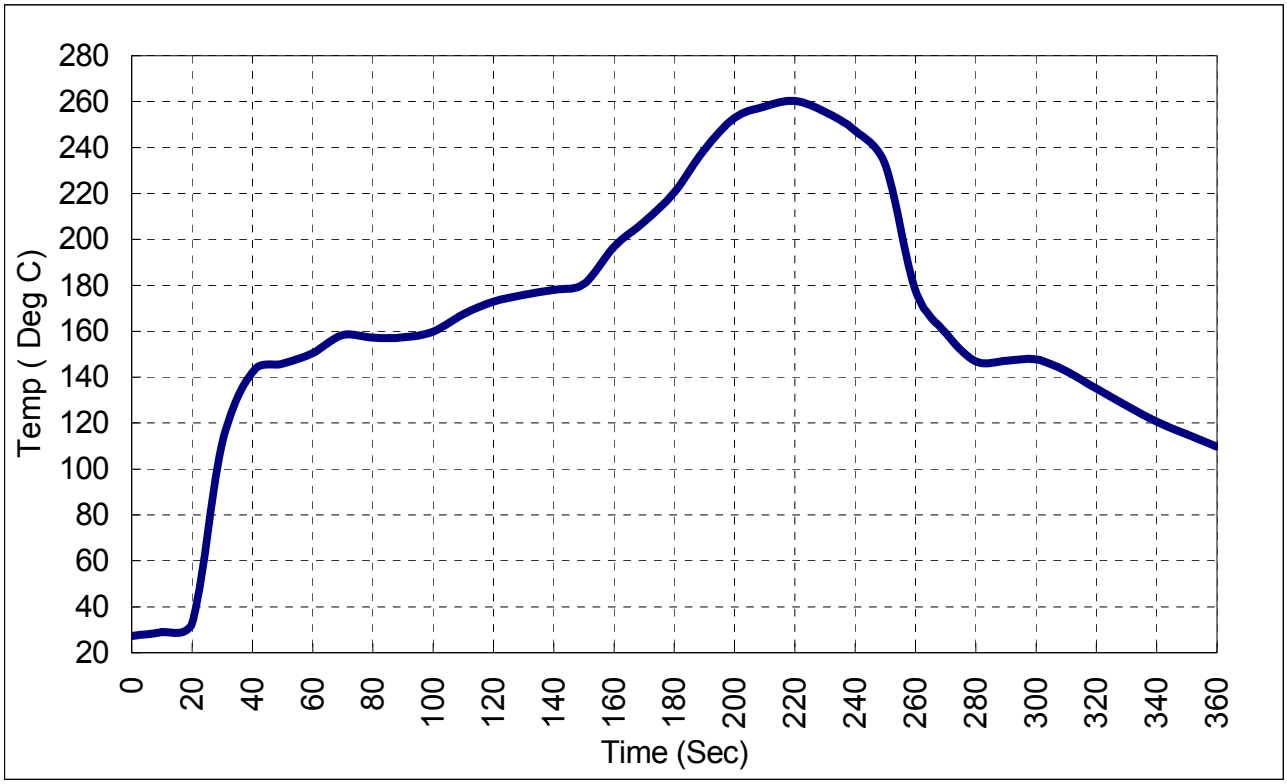
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :