SPECIFICATION

Part No.	:	**CGGP.25.4.A.02**
Product Name	:	4mm thick GPS/GLONASS Patch Antenna, 1575-1610MHz
Feature	:	25*25*4mm RoHS compliant



1. Introduction

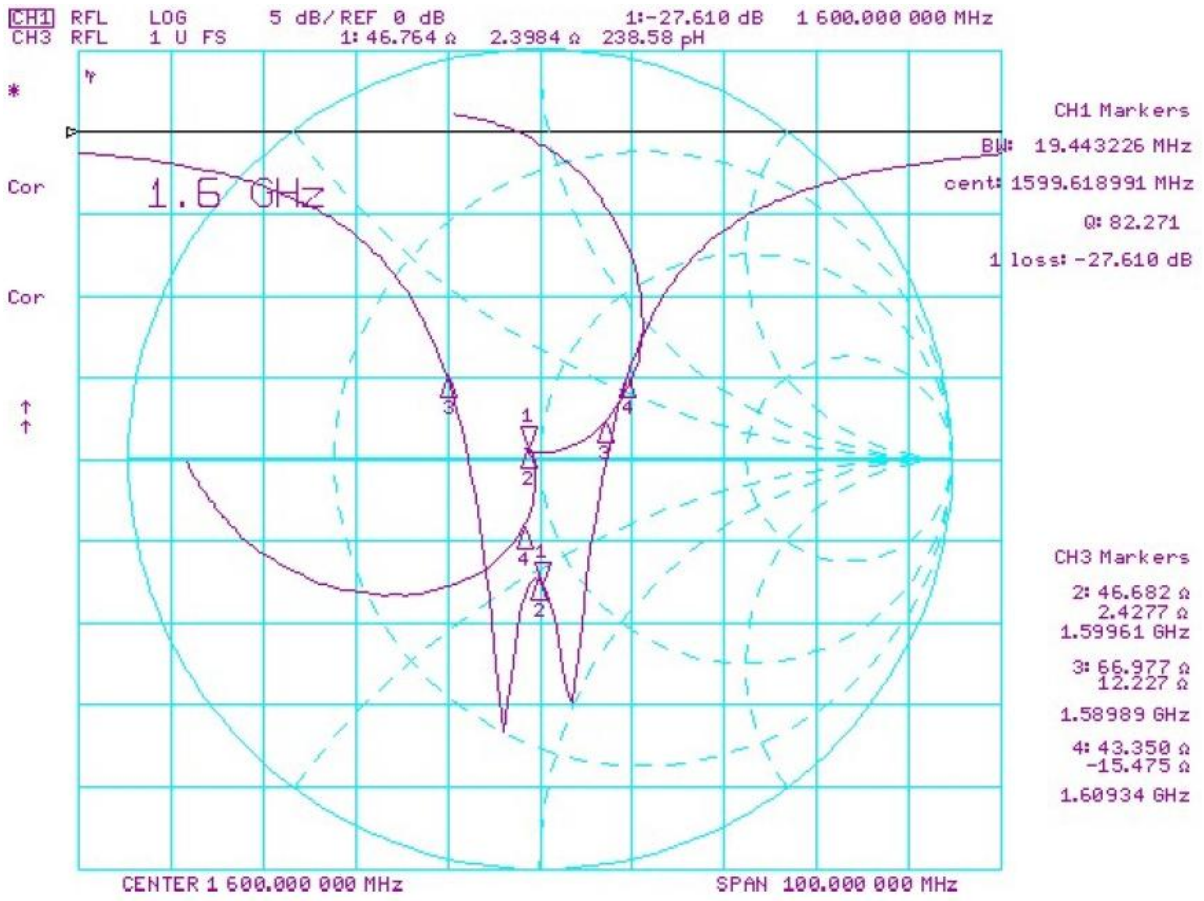
This miniaturized ceramic GPS patch antenna is based on smart *XtremeGain*™ technology. It is mounted via pin and double-sided adhesive and has been selected as optimal solution for the customer device environment.

2. Specification

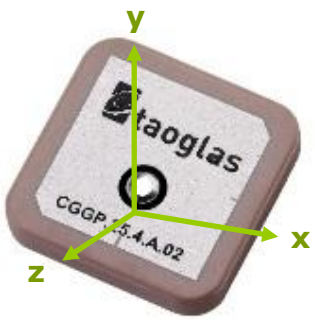
ELECTRICAL	
Center Frequency	1600MHz ± 3MHz
Bandwidth	15 MHz min Return Loss <-10dB
VSWR	1.5 max
Gain at Zenith	+5.0 dBic typ.
Gain at 10° Elevation	-1.0 dBic typ.
Axial ratio	3dB Max
Polarization	RHCP
Impedance	50 ohms
MECHANICAL	
Ceramic Dimension	25.1 x 25.1 x 4mm
Pin Diameter	0.9mm
Pin Length	1.8mm
ENVIRONMENTAL	
Operation Temperature	-40°C to 105°C
Humidity	Non-condensing 65°C 95% RH

* Antenna properties were measurement with the antenna mounted on 70mm*70mm Ground Plane

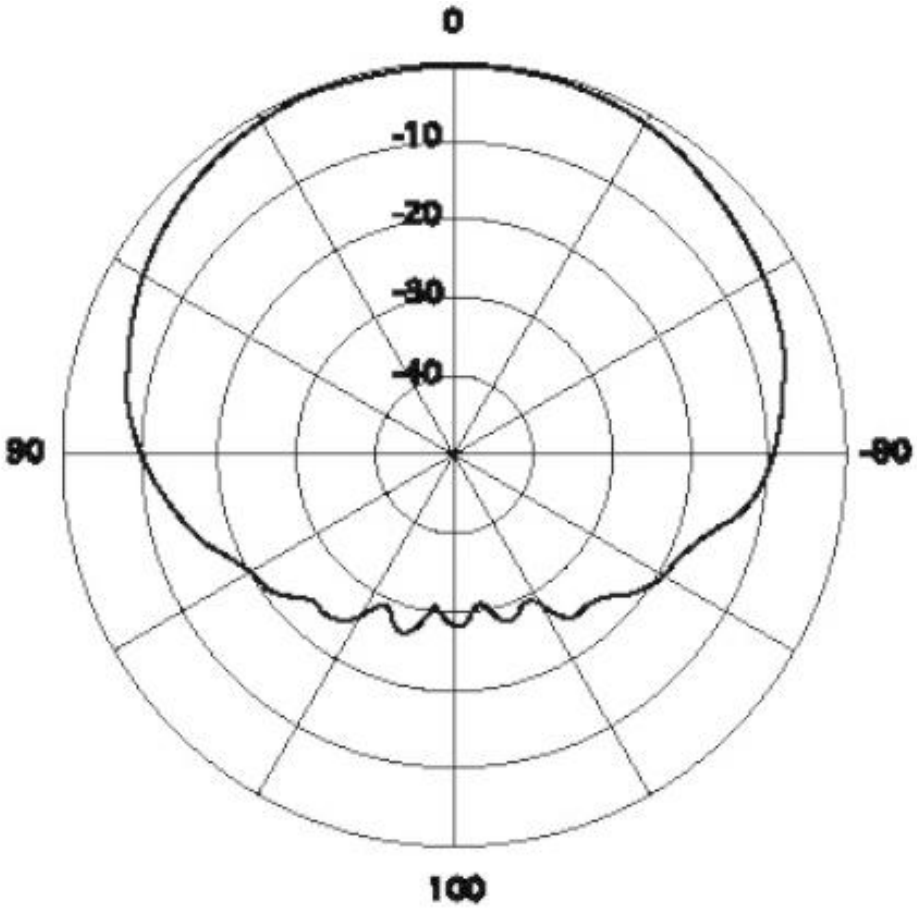
3. Antenna S11 Properties



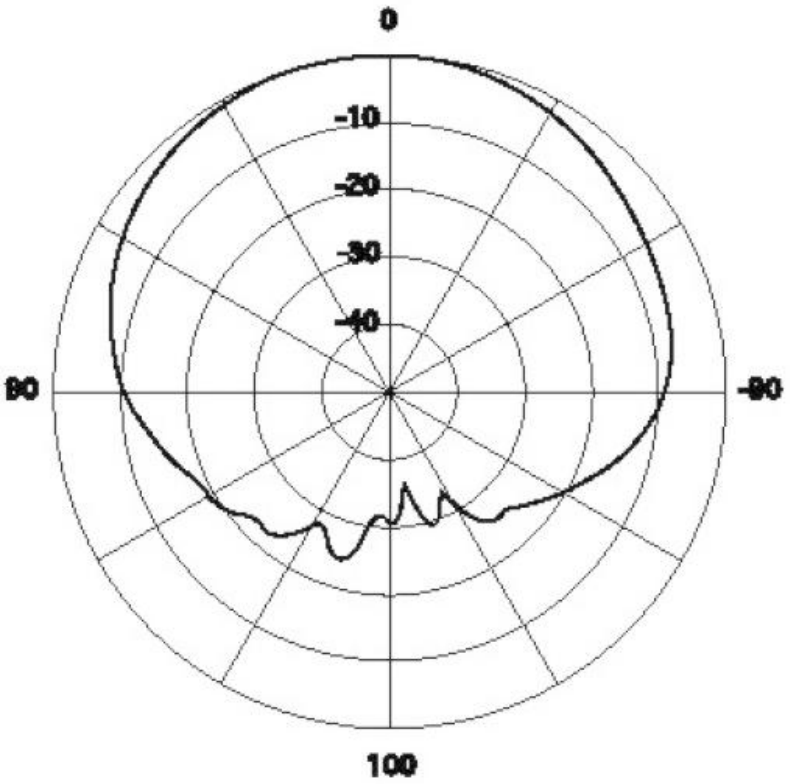
4. Antenna Radiation Properties



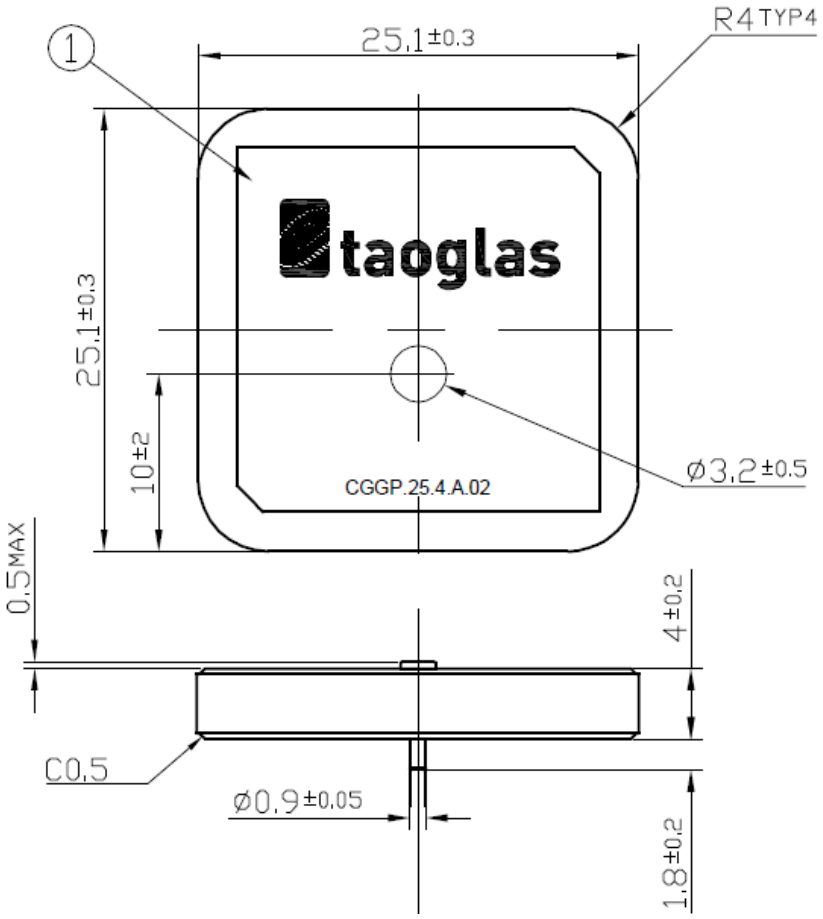
4.1. XZ – Plane Radiation



4.2. YZ- Plane Radiation

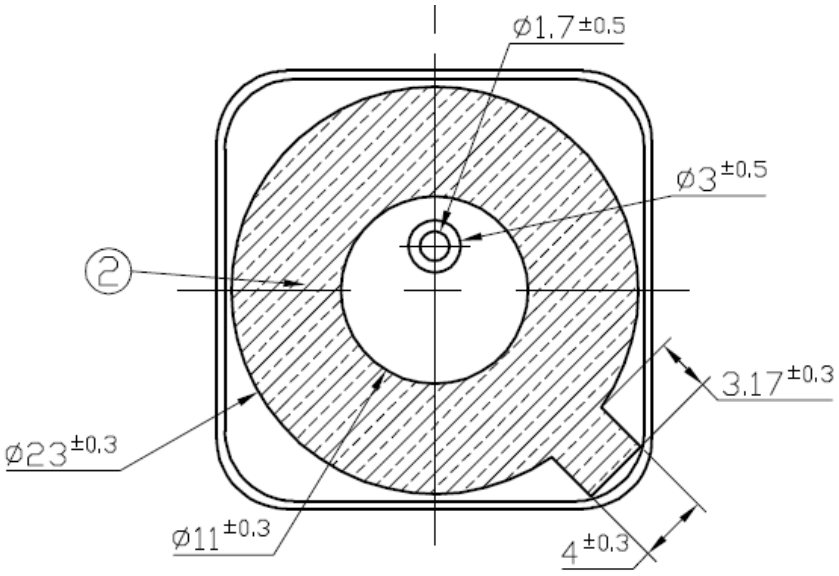


5. Mechanical Drawing



Top View

Side View

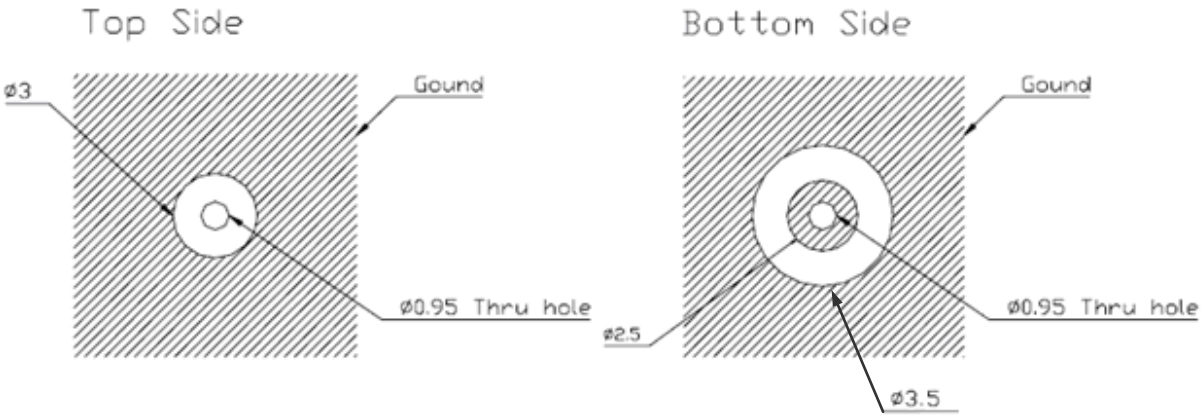


Bottom View

NOTES:
1.Double sided adhesive area.

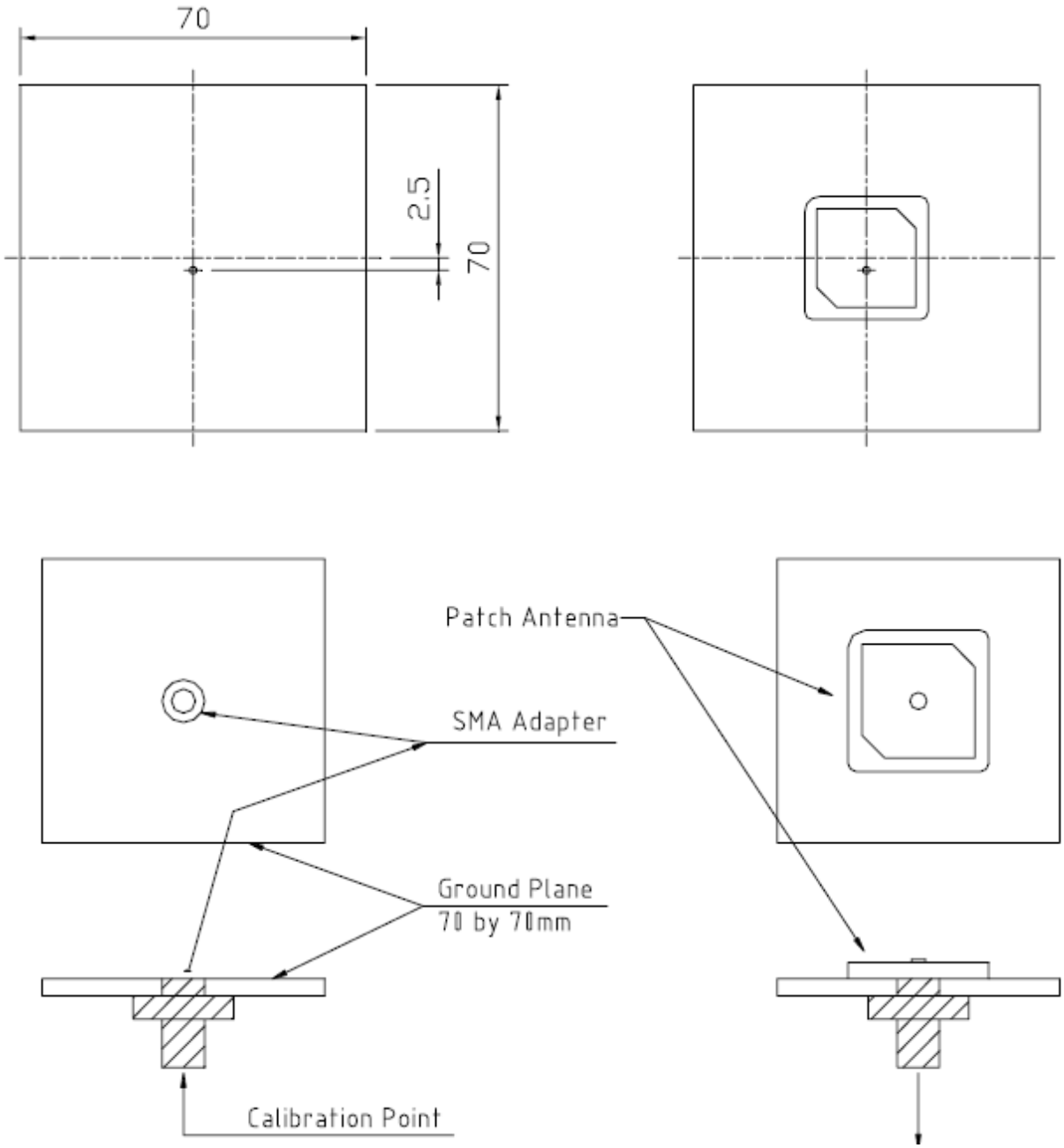
Unit : mm

6. PCB Footprint Recommendation



Unit : mm

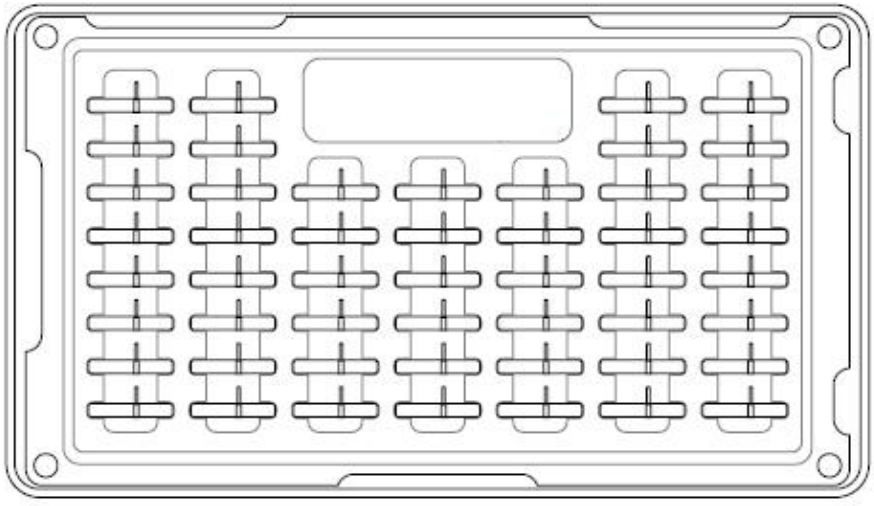
7. Evaluation Board



8. Packaging

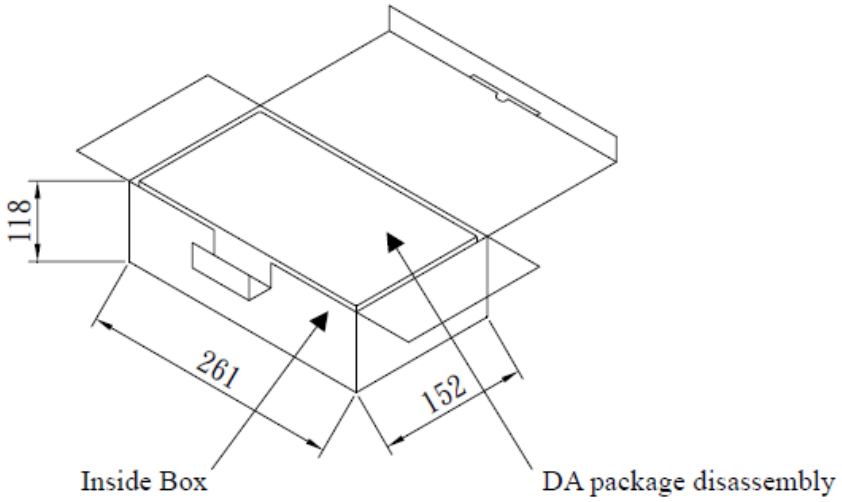
8.1. Inner Tray

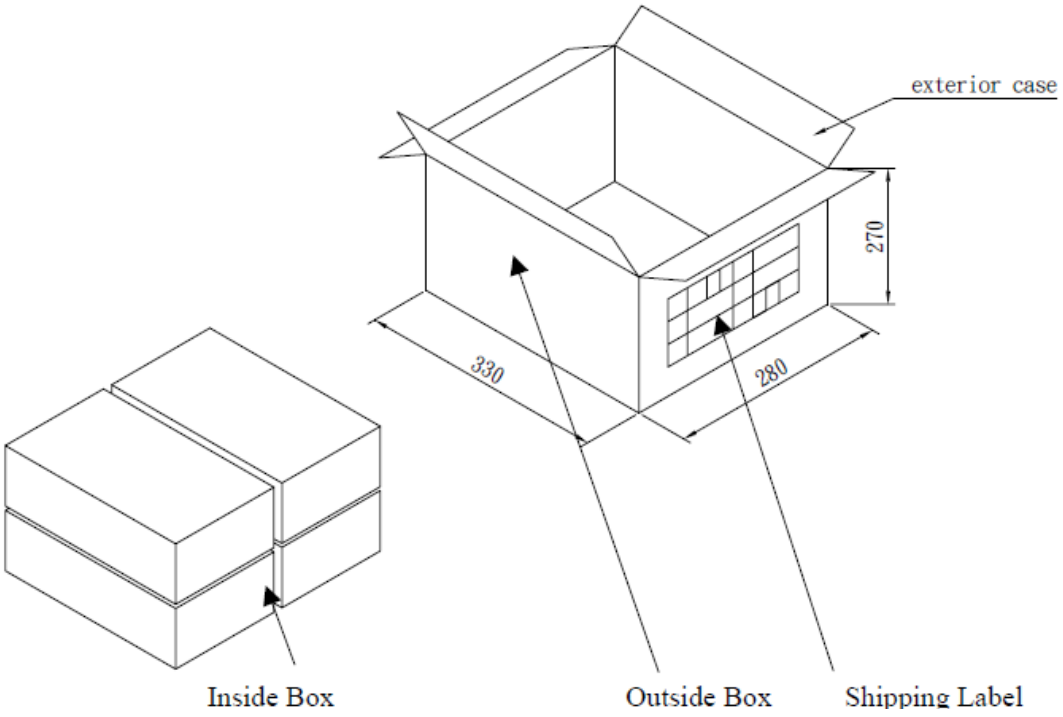




200 pieces per tray

8.2. Carton


118
261
152
Inside Box
DA package disassembly


exterior case
270
330
280
Inside Box
Outside Box
Shipping Label