

Shenzhen Yongman digital Co., LTD

2nd Floor, Building 1, Tiantong Industrial Park, Gaofeng Community,
Dalang Street, Longhua District, Shenzhen, China

Product specification for Phone

PRODUCT SPECIFICATION FOR APPROVAL

CUSTOMER/客户名称:

Type of product ion/产品类别: 无线快充座/Wireless fast charging seat。

Customer 'S PART NO 客户型号: _____。

Mode No:机种名称: YM-X455-V0.3。

Date:/制订日期: 2023/07/31。

Edition: 版本: V0.3。

CUSTOMER ADMIT/客户承认

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Design By: 拟定	Check. By:/检查	Auditing:/审查

1. 外观标准: /1. Appearance standard:

a) PCBA焊接要求符合 IPC-A-610-E ; /a) PCBA welding requirements meet IPC-A-610-E;

特殊要求（按客户要求执行）/Special requirements (as required by customer)

b) PCB表面丝印标识: /b) Screen printing on PCB surface:

开发商（或制造商）标识: YM / Developer (or manufacturer) ID: YM。

客户型号: /Customer Model: . _____。

PCB版本/PCB version: YM-X455-V0.3。

PCB设计日期/PCB design date 2023/07/22。

c) PCB颜色: 绿油白字 /c) PCB color: green oil white characters。

d) PCB接口板材: FR4 /d) PCB interface board: FR4

e) 板 厚/e) Plate thickness: 0.9MM-1.1MM

2. 电性能标准： /2. Electrical performance standard:

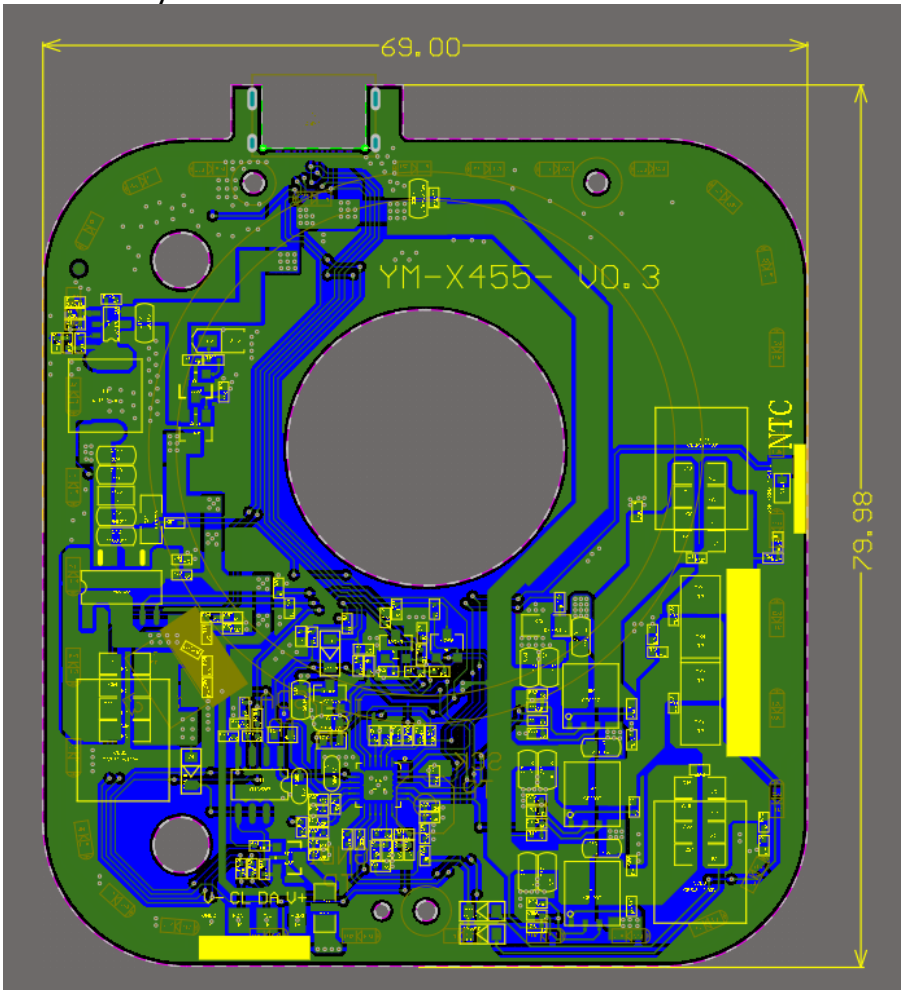
序号 /Serial number	类别 /category	电性能项目/Electrical performance item		测试标准/Test standard	测试条件/Test condition
1	无线 充 性 能/Linear charge energy		符合 QI1.2 标准，兼容所有 QI 无线充电设备/Comply with QI1.2 standard, compatible with all QI wireless charging devices		
2			带FOD 功能/With FOD function	1块硬币大小可以检测/1 coin size can be detected	蓝灯闪/Blue light flash
3		15W无线充 /15W wireless charge	输入电压/Input voltage	9V	支持QC2.0/QC3.0/PD QC2.0/QC3.0/PD is supported
4			输入电流/Input current	9V/2A	
5			输出电流/Output current	9V/1.66A	
6		10W无线充 /10W wireless charge	输入电压/Input voltage	9V	
7			输入电流/Input current	9V1.65A	
8			输出电流/Output current	9V1.1A	
9		5W无线充/5W wireless charge	输入电压/Input voltage	5V	
10			输入电流/Input current	5V/1.5A	
11			输出电流/Output current	5V/1.0A	
12			无线充适合距离/Wireless charging is suitable for distance	2MM-6MM	最好2MM Preferably 2MM
13			无线充效率/Wireless charging efficiency	70-75%	
14	LED灯显示 性能/LED lights display performance	空载/unloaded		蓝灯常亮	
15		带载/on-load		蓝灯呼吸亮	
16					
17					

3. PCB图档/3. PCB drawing file

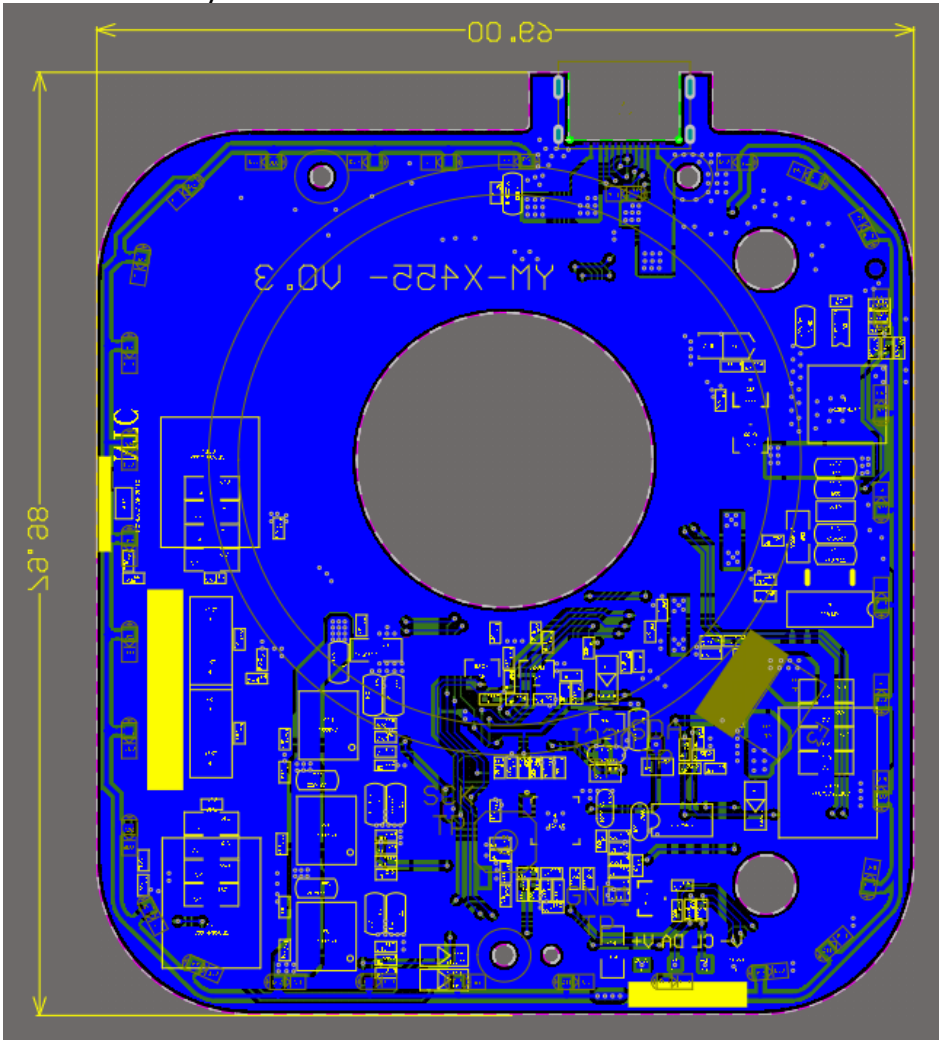
3.1 PCB尺寸图：PCB长宽公差正负：0.15MM，厚度：1.0MM+/-0.13MM

3.1 PCB size diagram: PCB length and width tolerance: 0.15MM, thickness: 1.0MM+/- 0.13MM

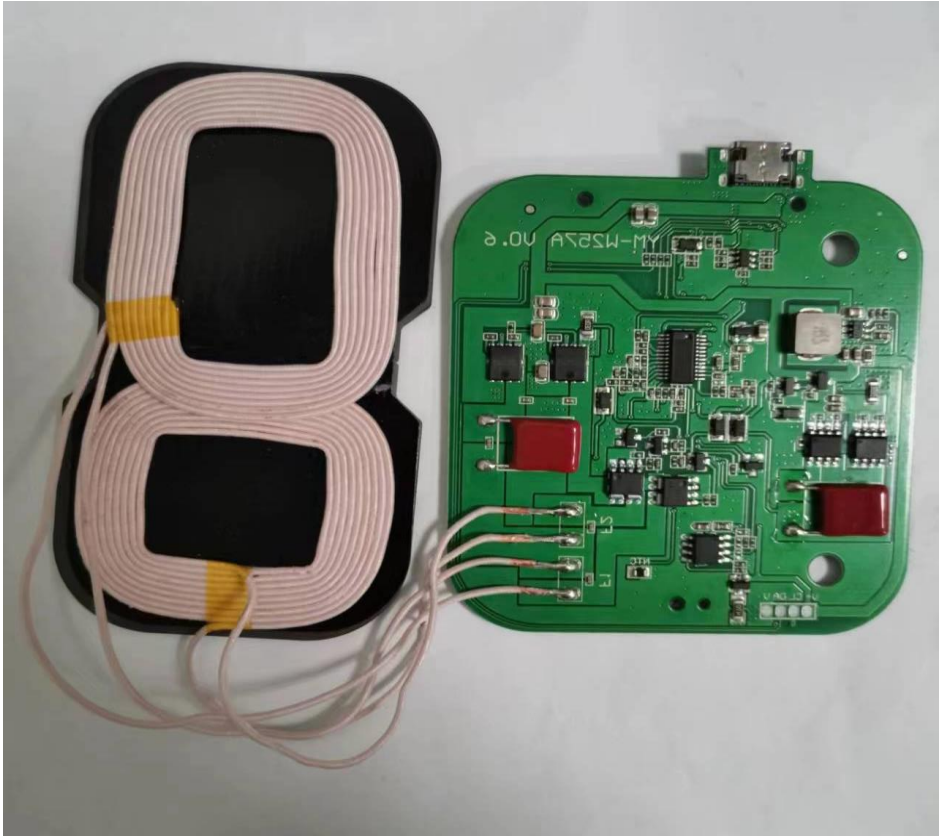
3.2 TOP layer



3.3 BOTTOM layer



4. PCBA图片/4. PCBA picture



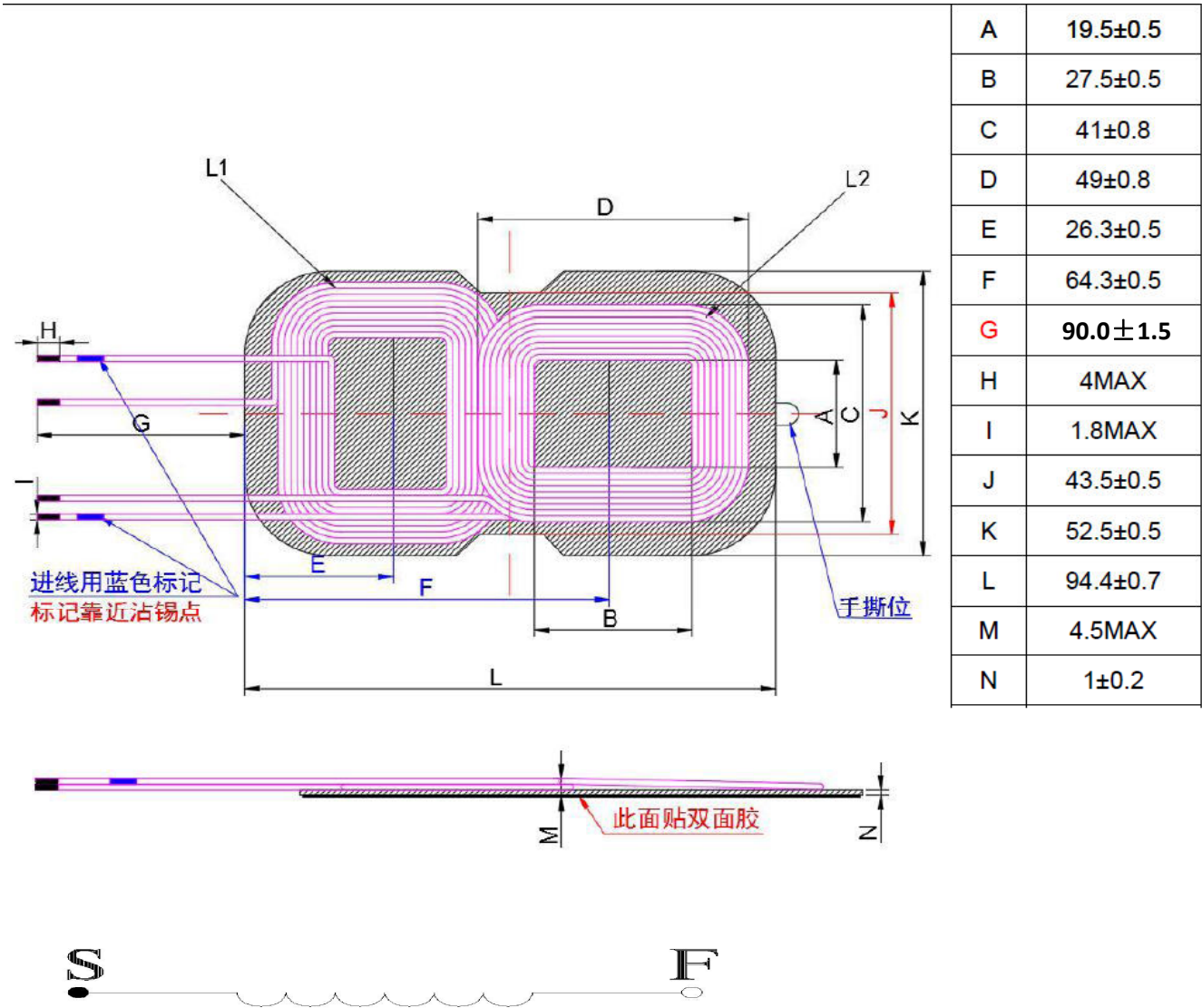
PCBA正面图



PCDA反面图

4.环保要求：根据客户要求环保
4. Environmental protection requirements: Environmental protection according to customer requirements

5. 线圈尺寸/5. Coil Size (Unit: mm)

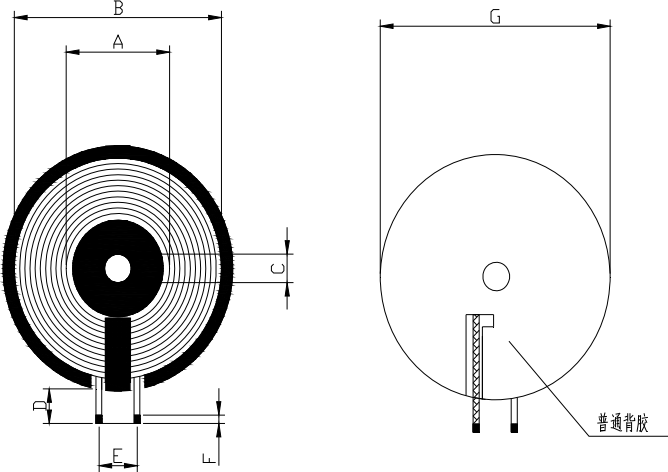


We statement that All measurements were performed radiated and therefore additional antenna gain documentation is not required.

SPECIFICATION FOR TWS Coil

PART NO	A11-6.5UH-001	MODEL	A11 内径Φ20.5*Φ42 Φ0.08*105P丝包线*10TS Φ50*Φ5.3*T1.0 感量6.5UH 引线长60.0mm	REV	AA版
Product Name	无线充发射线圈	DRAWING NO	NSDKS A11-6. 5UH-001	DOC TYPE	AA版

1. CONSTRUCTION DIMENSION (UNIT:mm)



A	20.50±0.5
B	MAX43.0
C	5.3±0.1
D	60.0±3.0
E	REF.7.0+/-1.0
F	3.0±1.0
G	50.0±0.5
H	2.50MAX
I	1.0±0.10
J	1.25±0.1

REMARK: 1. D为磁片外引线长度; 2. J不包含进线;

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SPECIFICATION FOR Watch Coil

客户/Client

名称/TYPE 发射线圈 44MM (环保状况 : RoHS+HF)

产品型号

Model NO SG-A1144-6.6UH

产品编号 SG-A11-030

Part numbering systey

客户料号

Client p/NO

工程编号

Enginrer NO TQE 1800510003

日期/Date 2021-10-9

本公司工程部/For Enginer Departner Only	
修改内容/Rvised Content	认可日期/APPproved Date

编制/Prepared

审核/Checked

认可/Approved

DuanJiaWang

XieLiang

XieXiaoZai

客户认可回签/Authorixed Signaturure Company Chop		
工程/ Enginrer	认可/QC APPproved	认可日期/APPproved

一、 线圈工艺/Winding Procese:

NO	绕组	线规	匝数	绕线方向	备注
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1	N1	2UEW-B-0.08*24P*2	10TS	CCW	
2					

二 . 电气性能/FEATURES:

1.测试条件 (Test conditions) : 25°C,65%RH@100KHz/1V

1.1 电感量 (Inductance)

1.11 L0A (单独线圈) =3.8uH±20%

1.12 L0A(线圈+磁片)=6.3uH±10%

1.2 Q 值=70MIN

1.3 直流电阻 (DCR) : 55mΩ MAX

1.4 工作温度(Operating Temperature) : -25°C~85°C

2.测试仪器(Test instrument) : **L:**创达 1068+1310;**DCR:**502BC;**SIZE:**Callipers

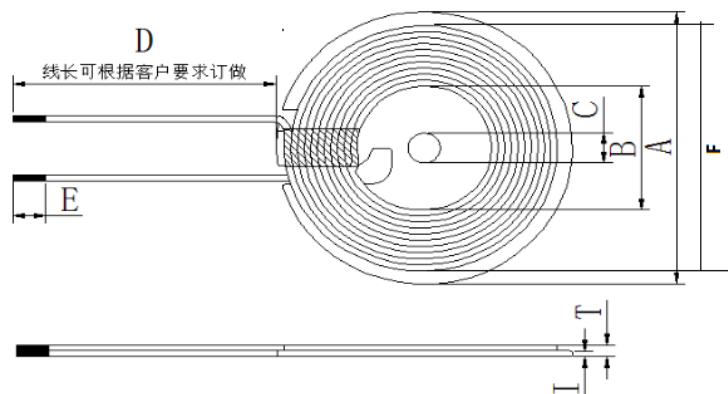
3.材料清单/ Bill of materials

NO	item	Materials
1	WIRE	φ 0.08*24p*2 2UEW-1.0mm
2	FERRITE	43.5*4.7* 0.8L double slot ferrite hard magnetic
3	GLUE	White glue
4	SOLDER	XCD-907B
5	Adhesive	Double-sided adhesive
6	High temperature adhesive	8MM high temperature tape
7		
8		

三 . 电路图/CIRCUIT DIAGRAM



四 . 外形图/OUTSIDE DIAGRA



Note: Wrap 8MM (ref) high temperature adhesive paper around coil outlet position

注：线圈出线位置缠绕 8MM (ref) 高温胶纸

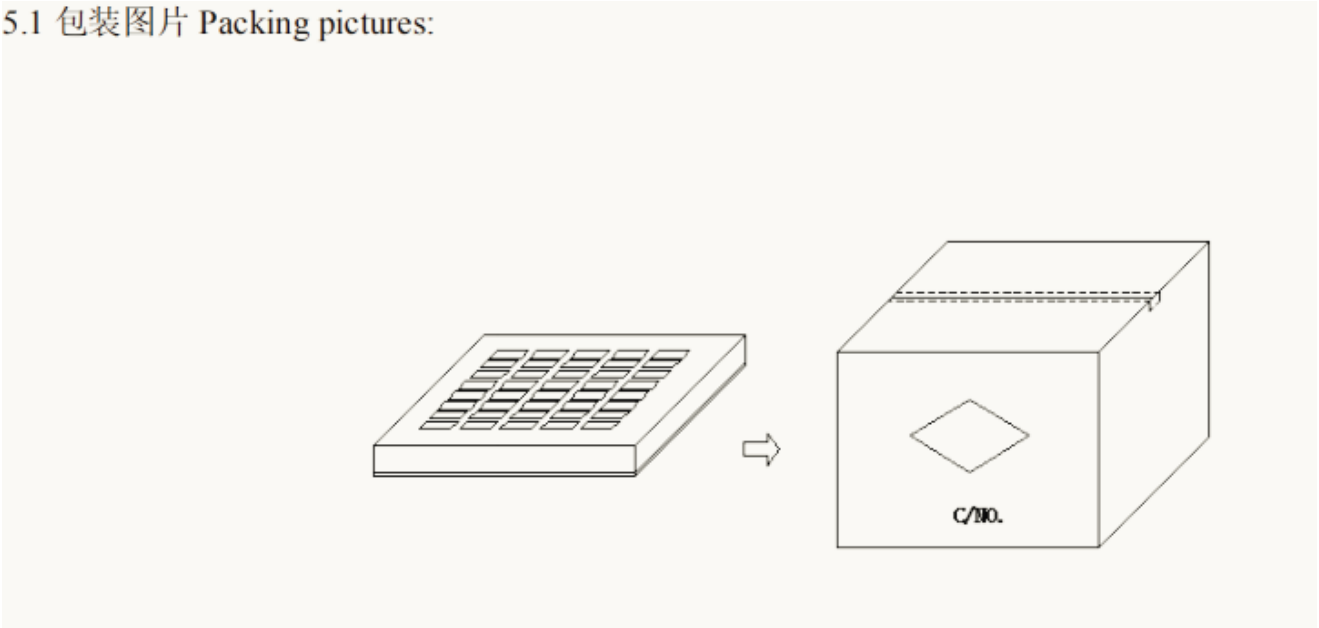
标准	A	B	C	D	E	F	I	T
STD	43.5±1	20.5±0.5	4.7±0.5	30±2	2-5	39±1.2	0.8±0.2	1.6Max

unit 单位： MM

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五 . 包装/PACKAGE

5.1 包装图片 Packing pictures:



5.2 包装数量及规格 Packing Quantity:

项目 Item	数量 Quantity	材料规格 Material
盒 Box	350 Pcs	345*330*50 mm
箱 Big Carton	1400 Pcs	360*340*280 mm

5.3 包装以现有包装盘为参照标准，以实际出货包装为准，如有特要求可以定制。

The packaging shall be based on the exusting packing plate and the actual delivery package shall prevail .If there is any requirement,we can customize it.

六、贮存和使用条件 Storage and Use condition

6.1 贮存条件 Storage condition

6.1.1 建议贮存条件：温度 $-25^{\circ}\text{C}\sim 85^{\circ}\text{C}$ ，湿度 70% (Max.)

Recommended keeping conditions: $-25^{\circ}\text{C} \sim 85^{\circ}\text{C}$, 70%RH (Max.)

6.1.2 贮存期限：自生产之日起六个月内

Storage life : Within the limits of six months from being produced.

6.2 使用条件 Use condition

使用条件限制：温度 $-25^{\circ}\text{C}\sim 85^{\circ}\text{C}$ ，湿度 $\leq 90\%$

Use condition limit: $T=-25^{\circ}\text{C}\sim 85^{\circ}\text{C}$, $\text{RH}\leq 90\%$.