



年益實業股份有限公司

Nienyi Industrial Corp.

Manufacturer address: 22nd Floor, Factory Building, No. 321 Qiaohun
South Road, Baijiao Town, Doumen District, Zhuhai City

Index

Page	Specification
1	The Cover
2	Revision Record
3	Index
4	Electrical Specifications & Product Photo
5	Return Loss Test Report
6	VSWR Test Report
7~8	2D Patterns
9	Product Drawing
10	Cable Drawing
11	Packing
12	BOM List



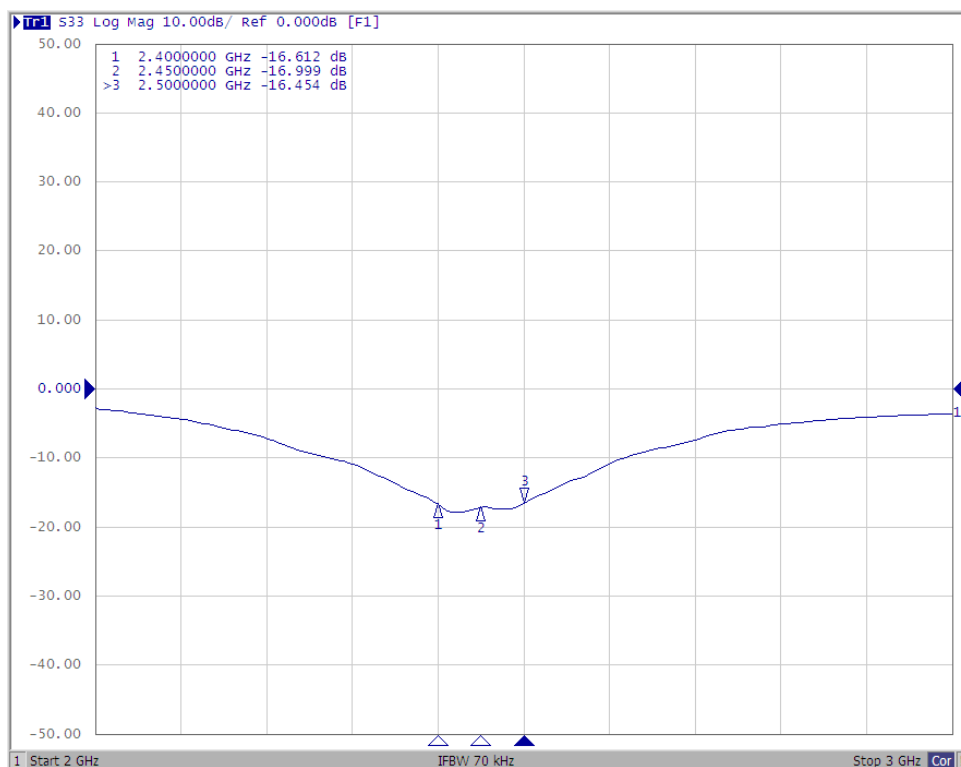
01. Electrical Specifications

Item	Specifications
Frequency Range	2.4GHz ~ 2.5GHz
Impedance	50Ω
Polarization Type	Linear
Peak Gain	≤2 dBi
Cable	Φ1.13 RF Cable
Connector	MHF -I Plug (20278-1*2R-13)

02. Product Photo

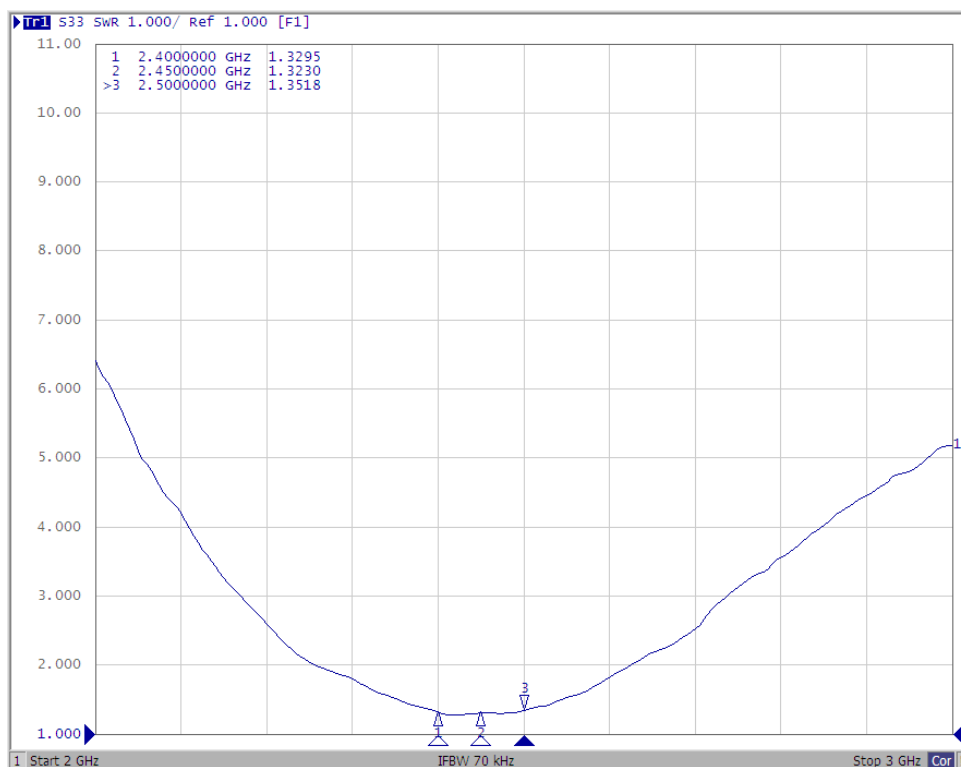


02. Return Loss Test



Frequency	Return Loss
2.400 GHz	-16.612 dB
2.450 GHz	-16.999 dB
2.500 GHz	-16.454 dB

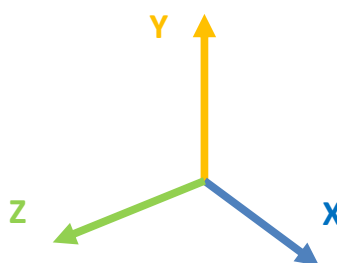
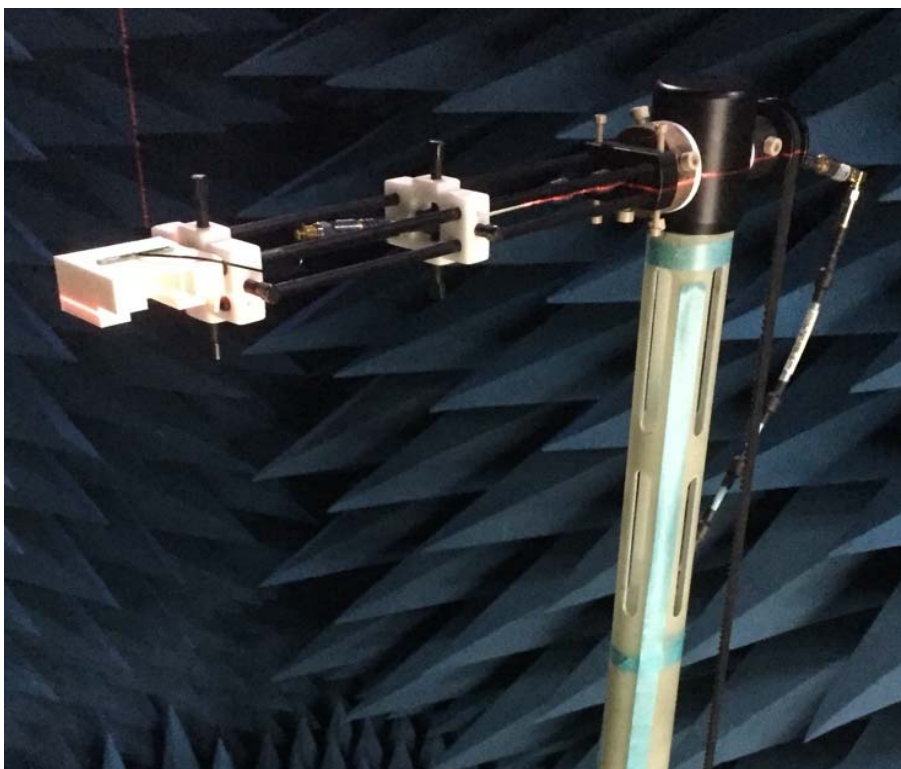
03. VSWR Test



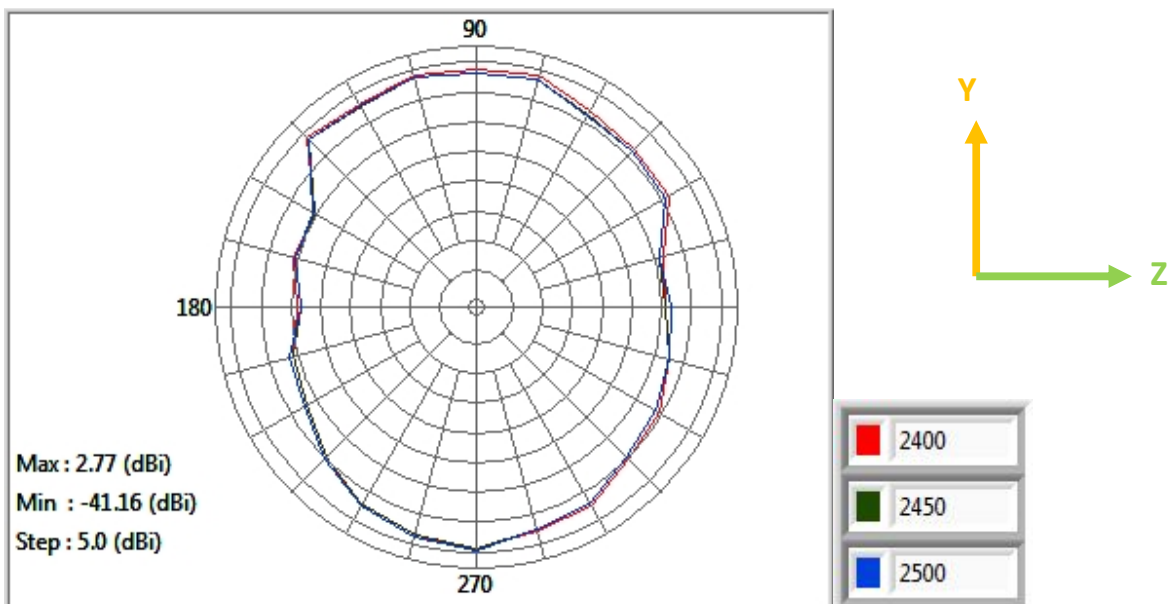
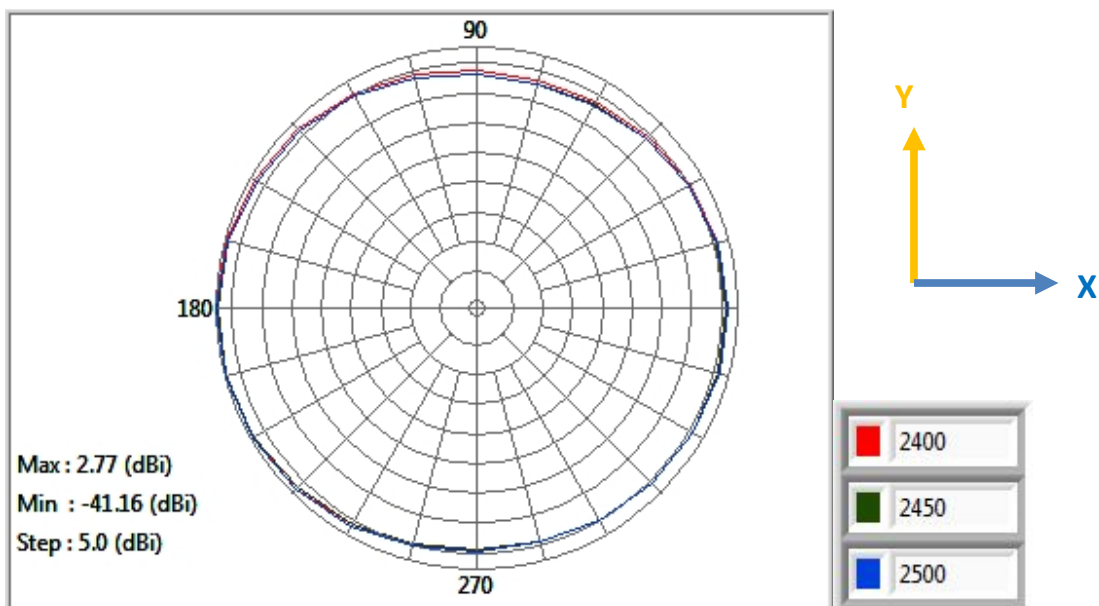
Frequency	VSWR
2.400 GHz	1.3295
2.450 GHz	1.3230
2.500 GHz	1.3518

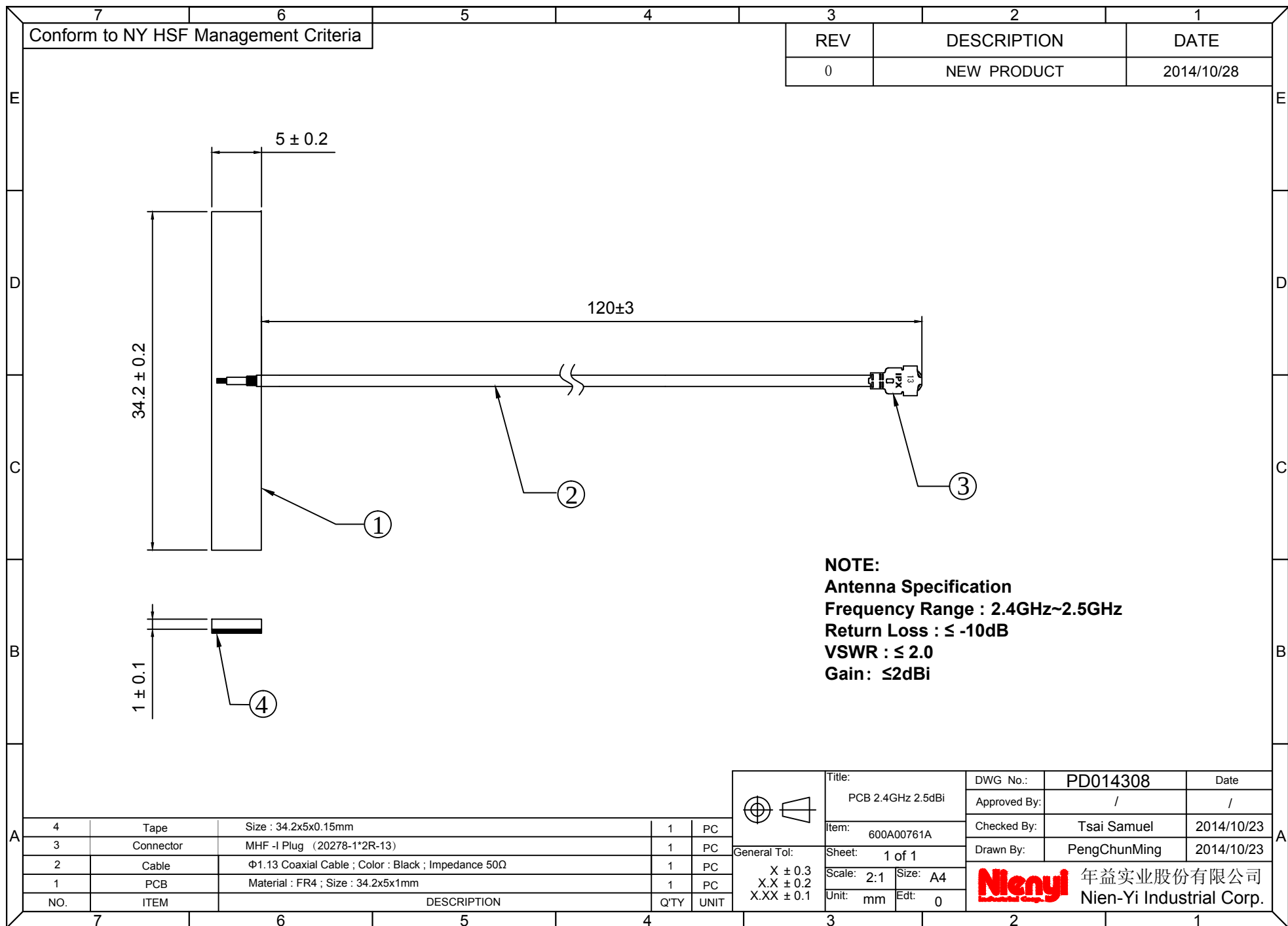
04. 2D Patterns

Product Photos



2D Patterns (2.4G)





REV	DESCRIPTION	DATE
0	ENGINEERING RELEASE	2013/5/23

CABLE COMPOSITION:

1.0 CONDUCTOR:

1.2 CONSTRUCTION: 32AWG STRANDED SILVER-COATED COPPER

2.0 INSULATION

2.1 MATERIAL : FEP

2.2 DIAMETER: 0.70MM $\pm$ 0.05MM

2.3 COLOR: NATURE COLOR

3.0 BRAID:

3.2 MATERIAL: 44AWG TINNED COPPER; OVERLAP: 90%MIN

4.0 JACKET:

4.1 MATERIAL : FEP

4.2 DIAMETER: 1.13MM $\pm$ 0.05MM

4.3 COLOR: BLACK

5.0 ELECTRICAL PROPERTIES (AT 20℃)

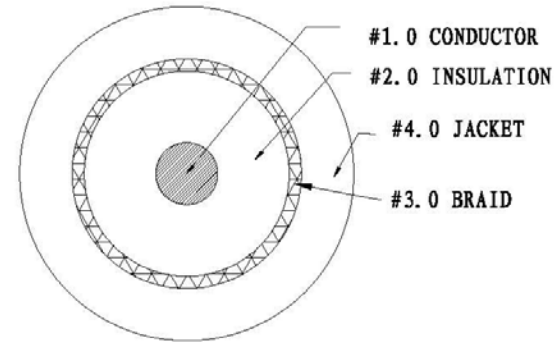
5.1 CONDUCTOR RESISTANCE : $< 597 \Omega / \text{KM}$ 5.2 INSULATION RESISTANCE : $> 1000 \text{M}\Omega \cdot \text{KM}$

5.3 DIELECTRIC STRENGTH(AC) : 500V/MIN

5.4 IMPEDANCE : $50 \pm 3 \Omega$

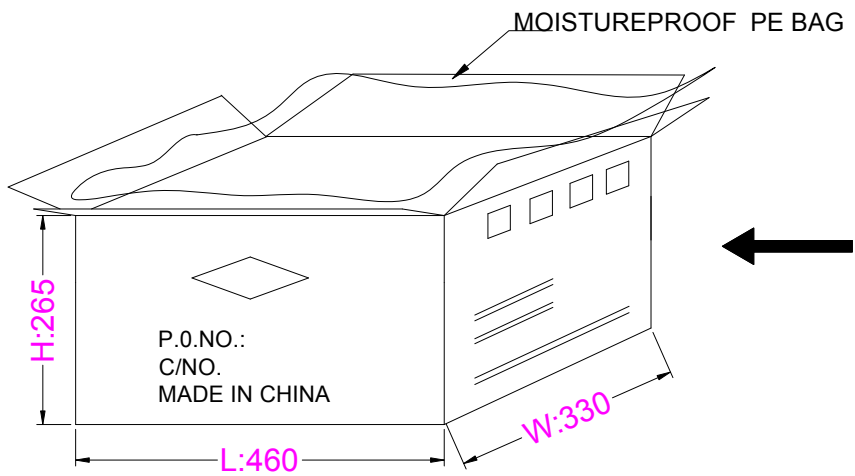
5.5 RATED TEMPERATURE : 200℃

5.6 RATED VOLTAGE : 30V

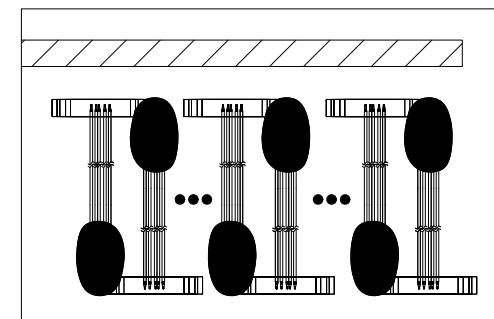


TITLE 32AWG*1C			DWG NO. :		DFA00615	DATE
			APPROVED:		LUOXL	2013/5/23
ITEM:			CHECKED:		HUANGJ	2013/5/23
P/N:			DRAWING:		ZHANGJ	2013/5/23
UNIT	SCALE	A4	EDIT	0	Nienyi 年益实业股份有限公司 NIEN-YI INDUSTRIAL CORP.	
mm	NONE		PAGE	1 OF 1		

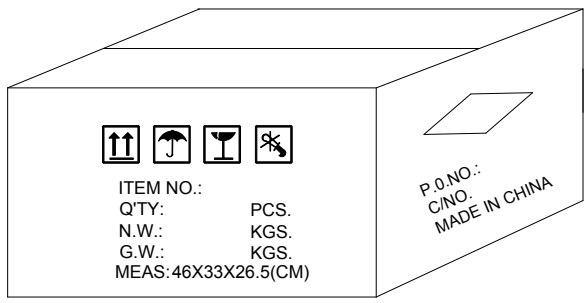
7		6		5		4		3		2		1	
Conform to NY HSF Management Criteria								REV		DESCRIPTION		DATE	
								0		NEW PRODUCT		2018/1/29	



MOISTUREPROOF PE BAG



10PCS/ Pearl Cotton Bag
100PCS/PE Bag



	Title:		DWG No.:		Date			
	PACKING		Approved By:		Wuliang			
			Checked By:		Zhangyuhuan			
	Item:		600A00761A		Drawn By:		Chensongqing	
	Sheet:		1 of 1		Scale: /		Size: A4	
General Tol:		Unit: mm		Edit: 0		 Nienyi 年益实业股份有限公司 Nien-Yi Industrial Corp.		
X ± 0.3		X.X ± 0.2 X.XX ± 0.1						
X.X ± 0.2								

美商年益科技（珠海）有限公司
Nien-Yi Technology (ZhuHai) Co., Ltd.

BOM

NO.	ITEM	SPEC	MATERIALS MAKER	MAKER	Q'TY	UL NO.	UL TYPE	UL Flammability
1	CABLE	Ø1.13 Coaxial Cable,Black,50Ω	NIEN-YI	NIEN-YI	LENGTH	NONE	NONE	NONE
2	Antenna	FR4,34.2*5*1mm	HANGDA	HANGDA	1PCS	NONE	NONE	NONE
3	Connector	MHF -I Plug (20278-1*2R-13)	IPEX	IPEX	1PCS	NONE	NONE	NONE
4	Sponge Tape	34.2*5*0.15mm	TIANYU	TIANYU	1PCS	NONE	NONE	NONE