

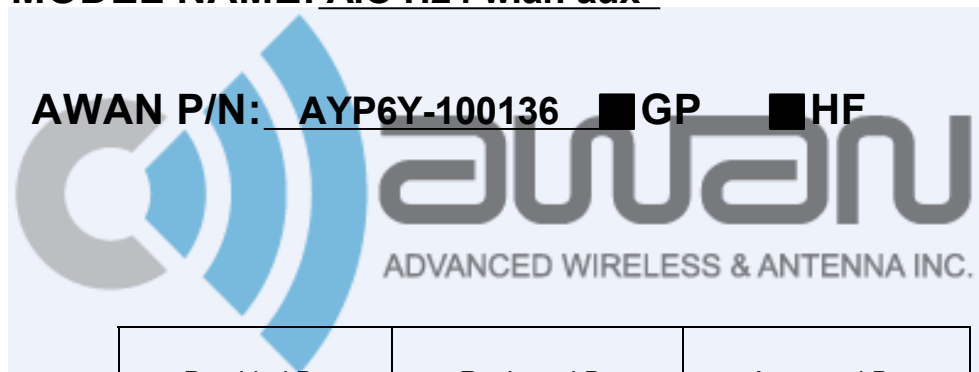
SPECIFICATION FOR APPROVAL

CUSTOMER: Inventec Corporation

CUSTOMER P/N : 6036B0286301 ■ GP ■ HF

MODEL NAME: AIO H24 wlan aux

AWAN P/N: AYP6Y-100136 ■ GP ■ HF



Provided By	Reviewed By	Approved By

AWAN Approved

R&D Manager / Dongyan.Jin	Mechanical Manager / Dongyan.Jin	QA Manager / Fish Tong	Project Engineer/ Denise.Zhai	Product Manager/ Bonnie.Deng



No.888, Hua-Yuan Road,Zhang- Pu Town,
Kun -Shan City, Jiang -Su Prov.,P.R.C.
TEL : 86-512-5744-6168
FAX : 86-512-5744-9168
Http : //www.awan-ant.com

INDEX

1.Revision History -----	1
2. Antenna Picture -----	1
3. Material list -----	2
4. Antenna Specifications -----	3
4.1 VSWR -----	3
4.2 Peak Gain & Average Gain -----	3
5. Drawing -----	4
6. Antenna Performance -----	5

1.Revision History

Date	Version	Revision History
03/09/21	A01	New Released

2. Antenna Picture

	WLAN Antenna
Position	Left side,Top of LCD
Antenna Type	PIFA
Cable	OD 1.13 L/L RF Cable *490mm
Photo	

- 天線功能較為敏感，主體周邊機構有變更請通知我們評估
- PCB OSP、銅箔區域氧化（黑斑）是正常現象，并不影響功能特性
- 銅箔表面氧化（黑斑）是正常現象，并不影響功能特性

3. Material list

Material	Supplier	Type	conductivity
Cable	Shenyu	SY113 low loss	100%IACS
Connector	I-Pex	20565-001R-13	100%IACS
PCB	xinghairong	/	NA
銅箔	shi feng	/	NA
背膠	shi feng	3M9810	NA
數字 Label	shi feng	/	NA
防塵套	changyuan	/	NA

Material	Vender Pool				
	A	B	C	D	E
Cable	神宇			-	-
Connector	I-PEX	-	-	-	-
PCB	興海容	-	-	-	-
銅箔	士豐	-	-	-	-
背膠	士豐	-	-	-	-
數字 Label	士豐	-	-	-	-
防塵套	長園	-	-	-	-

4. Antenna Specifications

4.1 VSWR

VSWR	ISM(2.400 GHz-2.500 GHz)					
	2.40 GHz	2.45 GHz	2.50 GHz			
WLAN	<3					
VSWR	U-NII(5.150GHz-5.350 GHz)			HyperLAN(5.470GHz-5.85 GHz)		
	5.15 GHz	5.25 GHz	5.35 GHz	5.47 GHz	5.60 GHz	5.85 GHz
WLAN	<3			<3		

4.2 Peak Gain and Average Gain

Antenna Gain		ISM(2.400 GHz-2.500 GHz)					
		2.40 GHz	2.45 GHz	2.50 GHz			
WLAN	Peak dBi	<3					
	Avg dBi	>-4.3					
Antenna Gain		U-NII(5.150 GHz-5.350 GHz)			HyperLAN(5.470GHz-5.85GHz)		
		5.15 GHz	5.25 GHz	5.35 GHz	5.47 GHz	5.60 GHz	5.85 GHz
WLAN	Peak dBi	<3			<4		
	Avg dBi	>-5.3			>-5.3		

1

2

3

4

5

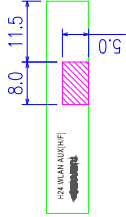
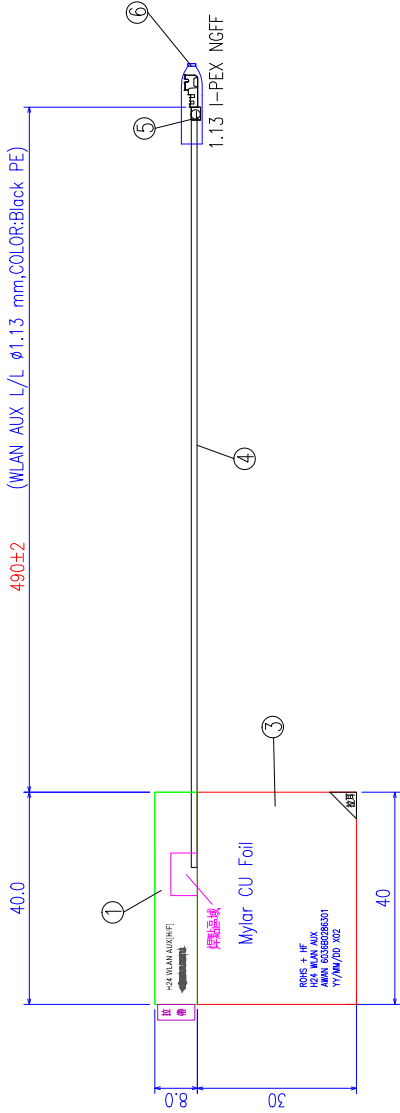
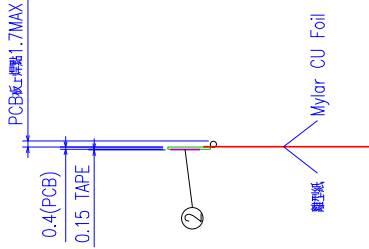
6

7

8

AWAN P/N	AYP6Y-100136
Inventec P/N	6036B0286301

Rev.	EC#	Description	Drawn/Date	Checked/Date	Approved/Date
X2		NEW RELEASE	Jerry 01/19/21	Jason 01/19/21	Jason 01/19/21

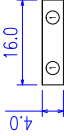


文字部分

ROHS + HF
H24 WLAN AUX
AWAN 6036B0286301
YY/MM/DD X02

Label Information
Color:白底黑字

防塵袋



OD 2.0 (±0.05)
Length: 18±2

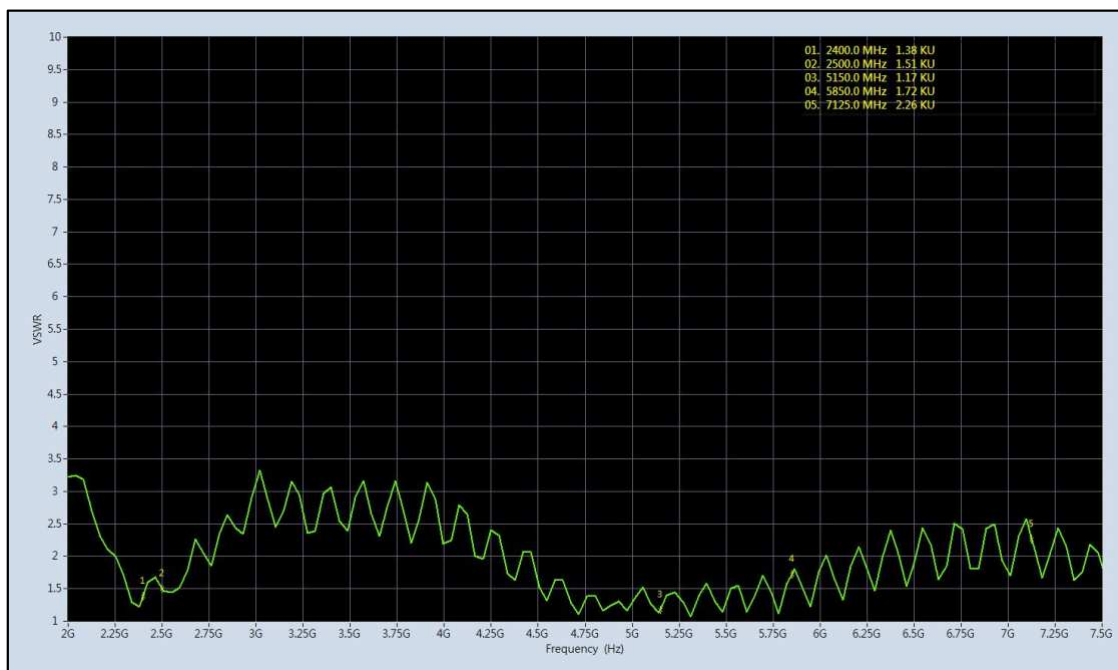
6	防塵袋 Ø2.0 L=18mm	1	Tube
5	數字標籤 1 to 1	1	Label
4	Ø1.13 L/L black Cable + I-PEX NGFF	1	Cable+Connector
3	H24 WLAN Aux Cu Foil	1	Cu Foil
2	H24 WLAN Tape	1	Tape
1	H24 WLAN Aux PCB	1	PCB
Item	Name	Qty	Material / Finish
AWAN WIRELESS & ANTENNA INC.			
Title			
WB-AIO H24 WLAN Aux Ant_LHF			
Customer Drawing			
Series			
AWP6Y			
Series			
C-AWP6Y-XX-XX			
Size			
A3			
Rev.			
X2			

HALOGEN FREE

This document and information contained herein are the property of AWAN. Copies are issued in strict confidence and shall not be reproduced or copied, or used as the basis of manufacture or sale of apparatus without permission.

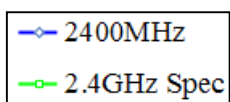
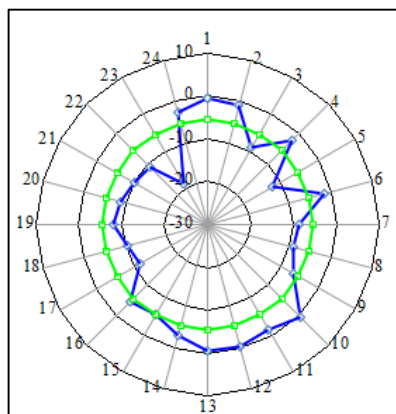
符合AWAN環境管理技術標準
All materials meet the AWAN's spec. Environment – related substances management technical standard.

6. Antenna Performance



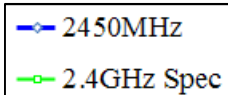
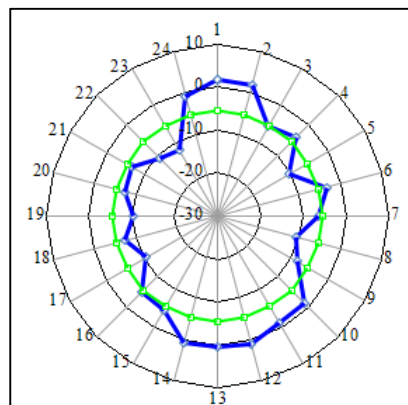
WLAN antenna Gain	
Max value	
Frequency (MHz)	Peak Gain (dBi)
2400	0.91
2450	1.90
2500	0.75
5150	1.59
5350	1.88
5470	1.30
5850	-1.20

aux antenna @ 2.40GHz



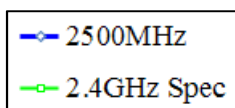
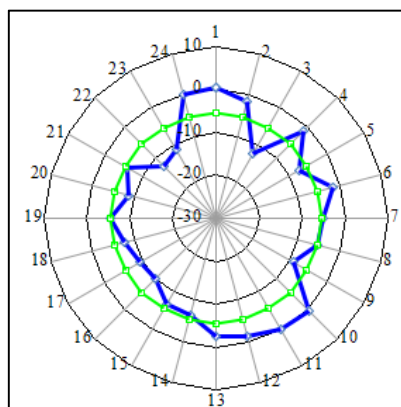
Center Frequency	2400 MHz
Peak Gainpeak	0.91

aux antenna @ 2.45 GHz



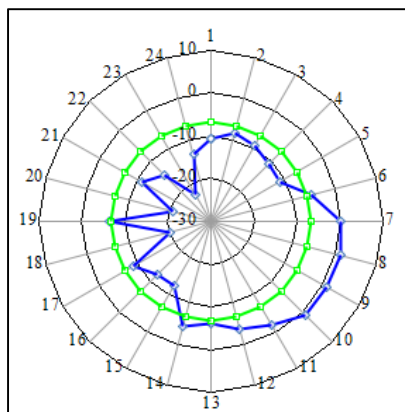
Center Frequency	2450 MHz
Peak Gainpeak	1.90

aux antenna @ 2.50GHz



Center Frequency	2500 MHz
Peak Gainpeak	0.75

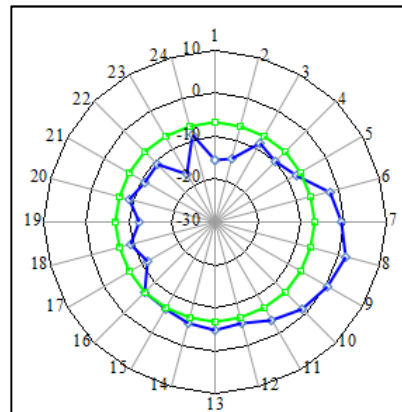
aux antenna @ 5.150 GHz



— 5150MHz
— 5GHz Spec

Center Frequency	5150 MHz
Peak Gainpeak	1.59

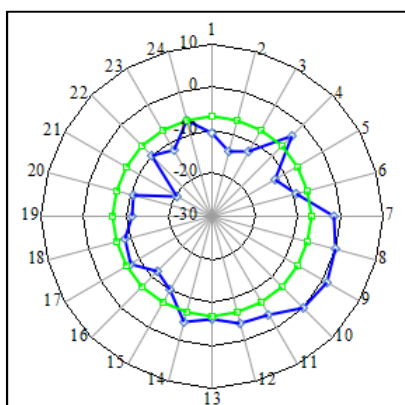
aux antenna @ 5.350 GHz



— 5350MHz
— 5GHz Spec

Center Frequency	5350 MHz
Peak Gainpeak	1.88

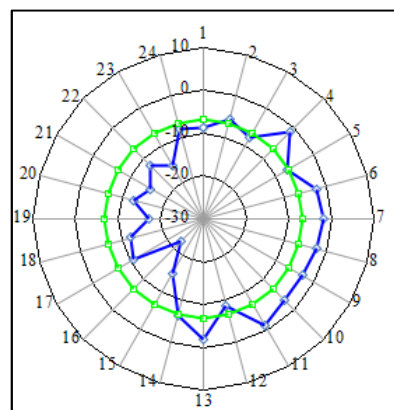
aux antenna @ 5.47 GHz



— 5470MHz
— 5GHz Spec

Center Frequency	5470 MHz
Peak Gainpeak	1.30

aux antenna @ 5.85 GHz



— 5850MHz
— 5GHz Spec

Center Frequency	5850 MHz
Peak Gainpeak	-1.20



ZPMV2.E168172 Wiring, Printed - Component

[Page Bottom](#)

Wiring, Printed - Component

[See General Information for Wiring, Printed - Component](#)

ALL FUND INDUSTRIAL LTD
UNIT 08, 18/F,
FLAT A, STAGE 2, SUPERLUCK IND CTR.
57 SHA TSUI ROAD
TSUEN WAN N T, HONG KONG

E168172

Type	Cond Width		Cond	SS/	Max			Max	Flame	Meets	C
	Min	Min			Area	Solder	Oper				
		Edge			Thk	Diam	Limits	Temp			
mm(in)	mm(in)	mic(mil)	DS	mm(in)	C	sec	C	Class	UL796	T	
Single layer printed wiring boards.											
AF-818	0.15 (0.006)	0.46 (0.018)	17 (0.67)	DS	22.4 (0.9)	270	10	130	V-0	All	-
AF-828	0.35 (0.014)	0.40 (0.016)	35 (1.38)	SS	25.4 (1.0)	260	10	130	V-0	All	-
AF-838	0.35 (0.014)	0.40 (0.016)	35 (1.38)	SS	25.4 (1.0)	260	10	130	V-0	All	-
AF-848	0.35 (0.014)	0.40 (0.016)	35 (1.38)	SS	25.4 (1.0)	260	10	130	V-1	All	-

Marking: Company name and type designation. May be followed by a suffix to denote factory identification.

[Last Updated](#) on 2006-02-26

[Questions?](#)

[Print this page](#)

[Notice of Disclaimer](#)

[Page Top](#)

Copyright ©2010 Underwriters Laboratories Inc.®

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Designs and/or Listings (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from Underwriters Laboratories Inc." must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "Copyright © 2010 Underwriters Laboratories Inc.®"

An independent organization working for a safer world with integrity, precision and knowledge.



长园电子（集团）有限公司
上海长园电子材料有限公司

CHANGYUAN ELECTRONICS GROUP CO., Ltd.

Shanghai Changyuan Electronic Material Co.,Ltd.

承 认 书
CERTIFICATION

客户名称： 连展 Customer Name:		产品名称： 101 套管 Products Name:		
承认规格： 系列 Products Range: Series		颜 色： 透明/红色 Standard : Transparent/Red		
产品型号： CB-101 Products Type: CB-101		版本： A/1 Rev.: A/1		
客 户 签 章	核 准 Approve	复 核 Re-Check	审 核 Check	主 办 Charge
	日 期 Date	日 期 Date	日 期 Date	日 期 Date

地址： 深圳南山区科技工业园科技路 30-4 栋 邮编(P.C.):518057

Add: Bld#30-4,Shenzhen Science & Technology Industry Park, Nanshan, Shenzhen, China

电话 (Tel) : 0755-6553696(16 线/Lines) 传真 (Fax) : 0755-6630674 0755-6632551

地址： 上海市嘉定区南翔镇嘉好路 1690 号 邮编 (P.C.) : 201802

Add: No.1690, Jiahao Road, Nanxiang Town, Jiading, Shanghai, China

电话 (Tel) : 021-69978846,69978839

传真 (Fax) : 021-69978838

一. 特性参数

项 目 Item	特性参数 Specifications
收缩温度 (°C) Shrink Temperature	≥90
连续使用温度 (°C) Temperature Range	-40-105
轴向收缩率 (%) Longitudinal Shrinking Ratio	-5~5
抗张强度 (MPa) Tensile Strength	≥10.4
断裂伸长率 (%) Elongation Ratio	≥200
耐电压等级 (V) Dielectric Voltage Withstand	600
体积电阻率 (Ω·cm) Volume Resistivity	≥10 ¹²
耐压性能 Voltage resistance	≥2500 (60 秒), 不击穿 ≥2500 (60s), no breakdown
裸铜腐蚀性 Corrosion of Bare Copper	無无腐蚀蝕 No corrosion
热冲击 Heat Shock	無无裂纹紋 No cracking
冷弯曲 Cold Bend	无裂纹 No cracking
燃烧性 Flammability	不阻燃 Flammability

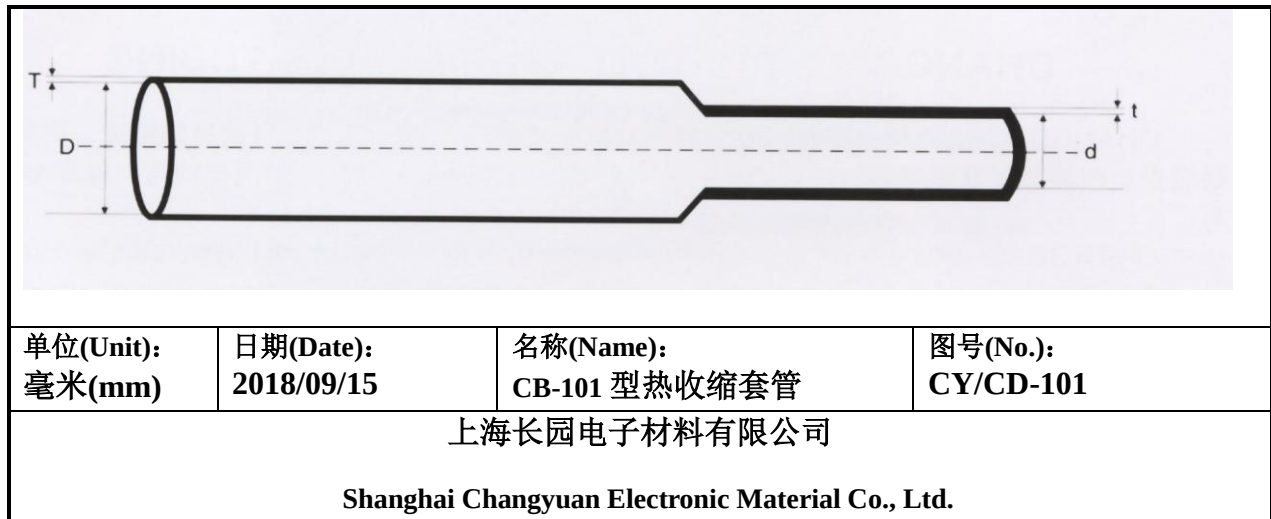
二. 环保物质控制:

有害物质	测试标准	测试结果
镉 (Cd)	IEC 62321 111/95/CDV	<100ppm
铅 (Pb)	IEC 62321 111/95/CDV	<1000ppm
汞 (Hg)	IEC 62321 111/95/CDV	<1000ppm
铬 (Cr)	IEC 62321 111/95/CDV	<1000ppm
多溴联苯(PBBs)	IEC 62321 111/95/CDV	<1000ppm
多溴联苯醚(PBBEs)	IEC 62321 111/95/CDV	<1000ppm
氯 (Cl)	IEC61189-2: 2006	<900ppm
溴 (Br)	IEC61189-2: 2006	<900ppm
氯、溴化合物合计含量	IEC61189-2: 2006	<1500ppm

三. CB-101 型缩管成品尺寸规格

规格 Size	收缩前尺寸 As Supplied		完全收缩后尺寸 After Recovery		流水号	客户料号
	内 径 (D) Inside Diameter	壁 厚(t) Wall-thickness	内 径 (d) Inside Diameter	壁 厚(T) Wall-thickness		
Φ0.8	1.25 ±0.15	0.20 ±0.04	≤0.45	0.40 ±0.08	000	
Φ1.0	1.50 ±0.15	0.20 ±0.04	≤0.60	0.40 ±0.08	000	
Φ1.5	2.00 ±0.10	0.20 ±0.04	≤0.80	0.40 ±0.08	000	
Φ1.5	2.20 ±0.10	0.20 ±0.05	≤0.80	0.40 ±0.08	030	TUBE020-1600004
Φ1.5	1.95 ±0.10	0.18 ±0.04	≤0.80	0.36 ±0.05	040	TUBE015-1600003
Φ2.0	2.50 ±0.15	0.20 ±0.04	≤1.00	0.40 ±0.08	000	TUBE020-1602000 TUBE020-2000200
Φ2.5	3.00 ±0.15	0.22 ±0.05	≤1.25	0.44 ±0.10	000	
Φ2.5	3.00+0.20	0.22 ±0.05	≤1.25	0.44 ±0.10	020	TUBE025-1600000
Φ3.0	3.50 ±0.15	0.25 ±0.06	≤1.50	0.44 ±0.10	000	
Φ3.5	4.00 ±0.20	0.25 ±0.06	≤1.75	0.44 ±0.10	000	
Φ4.0	4.50 ±0.20	0.25 ±0.06	≤2.00	0.48 ±0.10	000	
Φ4.5	5.00 ±0.20	0.25 ±0.06	≤2.25	0.48 ±0.10	000	
Φ5.0	5.50 ±0.20	0.25 ±0.06	≤2.50	0.50 ±0.10	000	
Φ6.0	6.50 ±0.20	0.25 ±0.06	≤3.00	0.50 ±0.10	000	
Φ6.5	7.00 ±0.20	0.30 ±0.08	≤3.25	0.55 ±0.10	000	
Φ7.0	7.70 ±0.30	0.30 ±0.08	≤3.50	0.60 ±0.10	000	
Φ8.0	8.70 ±0.30	0.36 ±0.08	≤4.00	0.66 ±0.10	000	
Φ9.0	9.70 ±0.30	0.36 ±0.08	≤4.50	0.66 ±0.10	000	
Φ10	10.70 ±0.30	0.36 ±0.09	≤5.00	0.66 ±0.10	000	
Φ11	11.70 ±0.30	0.36 ±0.09	≤5.50	0.66 ±0.10	000	
Φ12	12.70 ±0.30	0.36 ±0.09	≤6.00	0.68 ±0.10	000	
Φ13	13.70 ±0.30	0.36 ±0.09	≤6.50	0.68 ±0.10	000	
Φ14	14.70 ±0.30	0.36 ±0.09	≤7.00	0.68 ±0.10	000	
Φ15	15.70 ±0.40	0.36 ±0.09	≤7.50	0.70 ±0.10	000	
Φ16	16.70 ±0.40	0.36 ±0.09	≤8.00	0.70 ±0.10	000	
Φ17	17.70 ±0.40	0.36 ±0.09	≤8.50	0.70 ±0.10	000	
Φ18	18.70 ±0.50	0.40 ±0.09	≤9.00	0.80 ±0.10	000	
Φ20	20.70 ±0.50	0.40 ±0.09	≤10.00	0.80 ±0.10	000	
Φ22	22.70 ±0.60	0.46 ±0.10	≤11.00	0.90 ±0.10	000	
Φ25	26.00 ±0.50	0.42 ±0.10	≤12.50	0.86 ±0.12	000	
Φ28	29.20 ±0.70	0.46 ±0.10	≤14.00	0.90 ±0.10	000	
Φ30	31.00 ±0.80	0.46 ±0.10	≤15.00	1.00 ±0.10	000	
Φ35	36.00 ±0.80	0.50 ±0.10	≤17.50	1.00 ±0.30	000	
Φ40	41.00 ±0.80	0.50 ±0.10	≤21.00	1.20 ±0.30	000	
Φ45	46.00 ±0.80	0.50 ±0.10	≤23.50	1.20 ±0.30	000	
Φ50	51.00 ±0.80	0.50 ±0.15	≤26.00	1.20 ±0.30	000	
Φ60	61.00 ±1.20	0.50 ±0.15	≤31.00	1.20 ±0.30	000	
Φ80	81.00 ±1.20	0.50 ±0.15	≤41.00	1.20 ±0.30	000	

四. CB-101 型热缩套管工程图



材 质 证 明

我司 CB-101 套管是一种非阻燃型的热收缩套管，组成材料为聚乙烯醋酸乙烯酯，不添加任何助剂，产品铅、镉、汞、六价铬、多溴联苯、多溴联苯醚等物质含量符合 RoHS 环保要求。

