

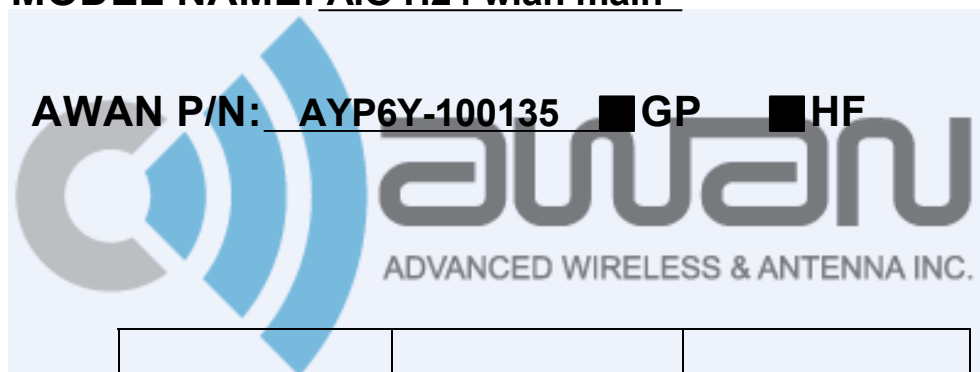
SPECIFICATION FOR APPROVAL

CUSTOMER: Inventec Corporation

CUSTOMER P/N : 6036B0286401 ■ GP ■ HF

MODEL NAME: AIO H24 wlan main

AWAN P/N: AYP6Y-100135 ■ 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



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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 *345mm
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

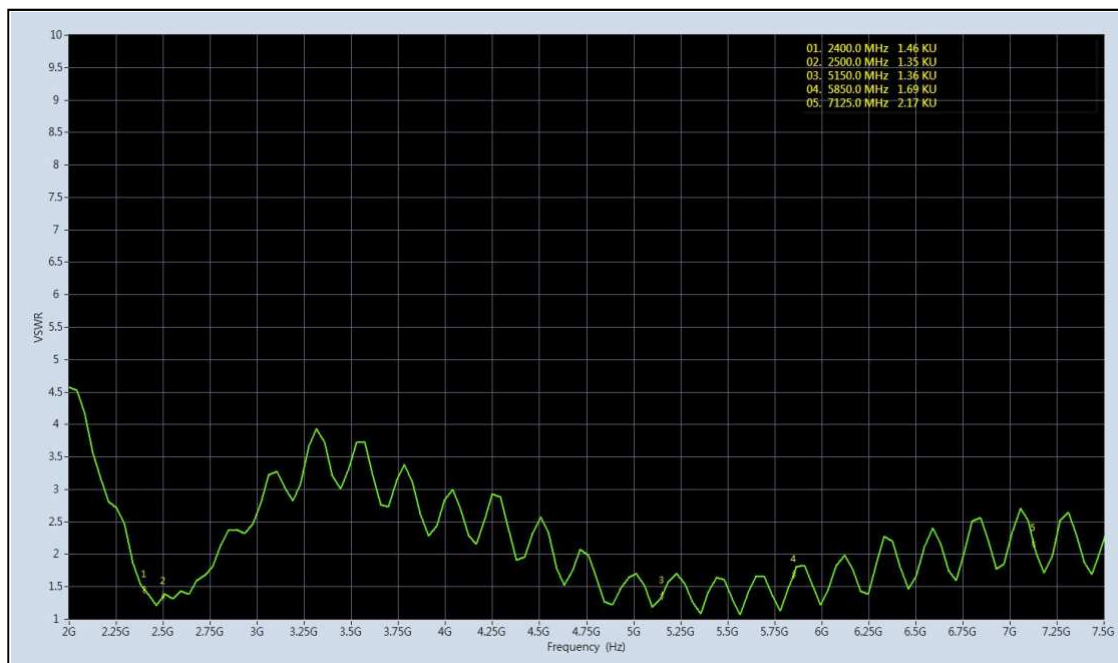
4.1 VSWR

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

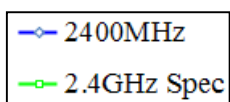
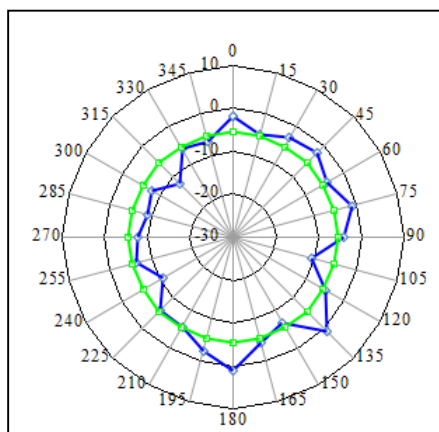
Antenna Gain		ISM(2.400 GHz-2.500 GHz)					
		2.40 GHz	2.45 GHz	2.50 GHz			
WLAN	Peak dBi	<3					
	Avg dBi	>-4.3					
Antenna Gain		U-NII(5.150 GHz-5.350 GHz)			HyperLAN(5.470GHz-5.85GHz)		
		5.15 GHz	5.25 GHz	5.35 GHz	5.47 GHz	5.60 GHz	5.85 GHz
WLAN	Peak dBi	<3			<4		
	Avg dBi	>-5.3			>-5.3		

6. Antenna Performance



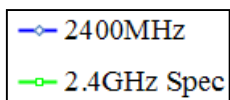
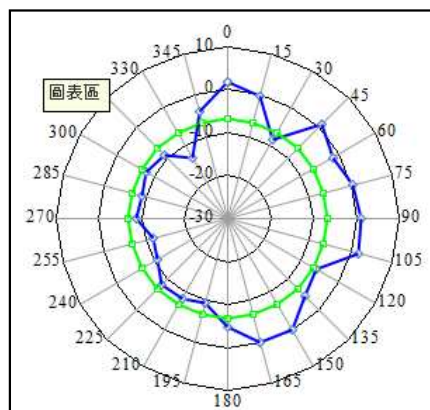
WLAN antenna Gain	
Max value	
Frequency (MHz)	Peak Gain (dBi)
2400	1.06
2450	1.73
2500	1.64
5150	1.75
5350	1.07
5470	1.73
5850	1.04

Main antenna @ 2.40GHz



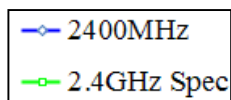
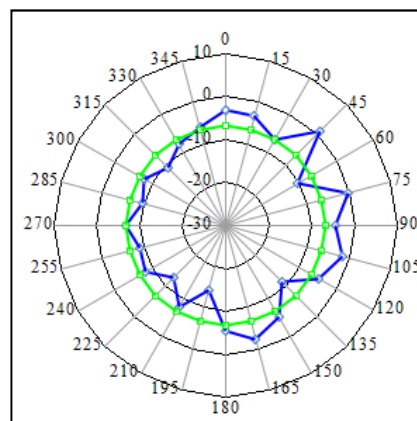
Center Frequency	2400 MHz
Peak Gain	1.06

Main antenna @ 5.150GHz



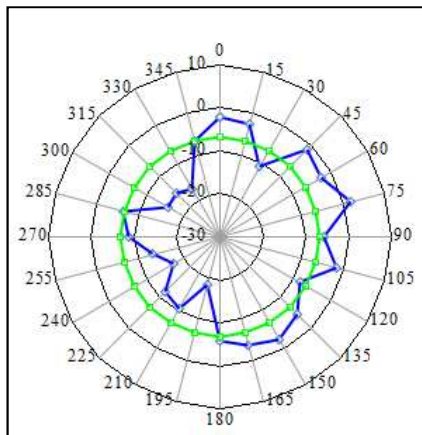
Center Frequency	5150 MHz
Peak Gain	1.75

Main antenna @ 5.350 GHz



Center Frequency	5350 MHz
Peak Gain	1.07

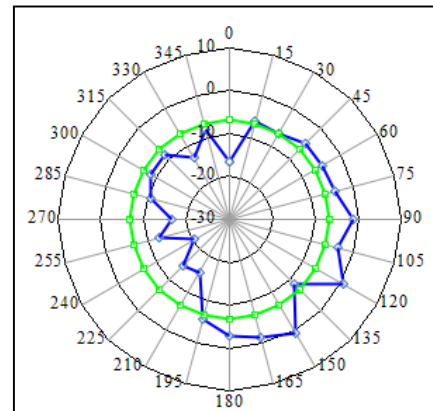
Main antenna @ 5.47 GHz



—○— 2400MHz
—□— 2.4GHz Spec

Center Frequency	5470 MHz
Peak Gain	1.73

Main antenna @ 5.85 GHz



—○— 2400MHz
—□— 2.4GHz Spec

Center Frequency	5850 MHz
Peak Gain	1.04



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.

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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
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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

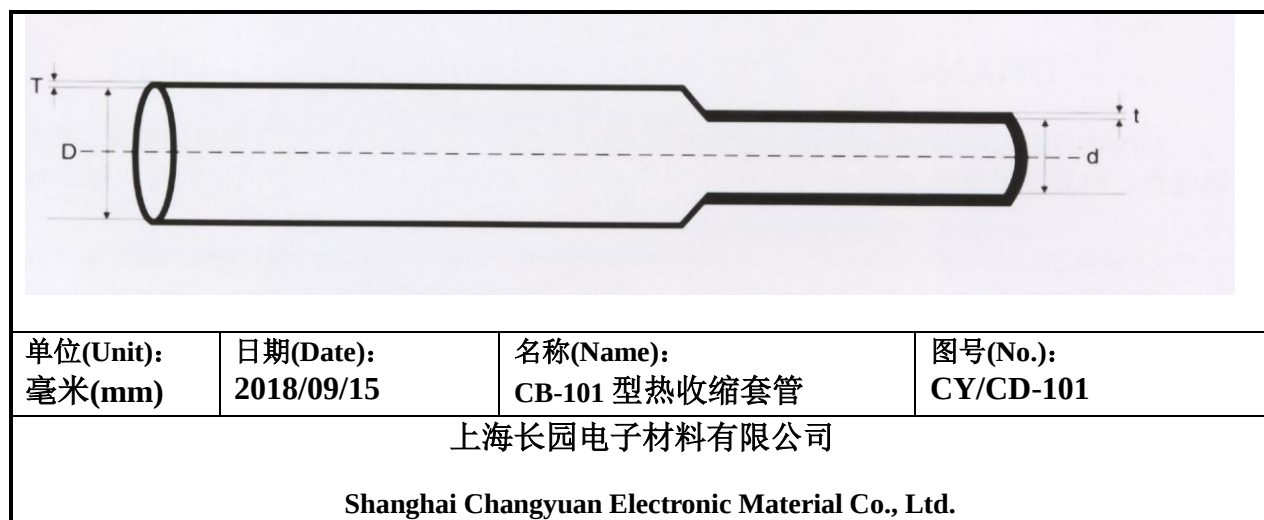
二. 环保物质控制:

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。

