



產品承認書

Specification for Approval

客戶 (Customer): 訊舟科技股份有限公司

Customer Part No.:

Product Description: BENQ RX

Lynwave Part No.: ALX24X-221AA0-00

客戶簽核 (Customer Approval)

客戶承認 Customer Approval	核准 (Authorized)	檢驗 (Approved)
	日期： 年 月 日	

內部簽核 (Signature)

日期： 2025 年 05 月 26 日

Approved by	Checked by	Tested by
<i>Tino Wu</i>	<i>Eva Chiu</i>	<i>Zero Chen</i>

綠億科技股份有限公司

Lynwave Technology Ltd.

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Features

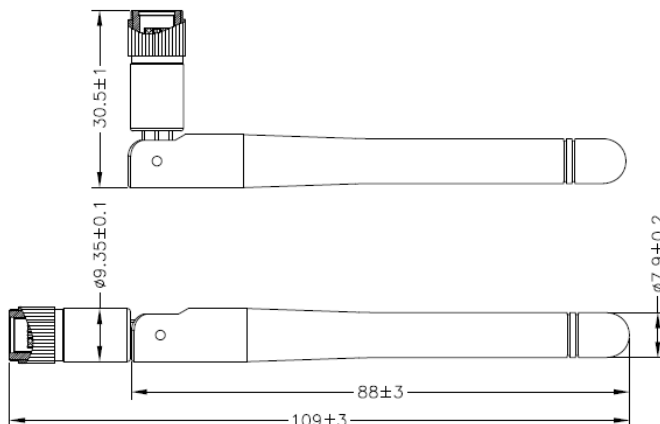
- Dual band IEEE 802.11 a/b/g/n/ac/ax standard
- High efficiency
- Quick integration

Specification

Frequency (MHz)	2400 - 2483	5150 - 5895
Peak Gain (dBi)	3.0	2.0
VSWR	≤ 2.0	≤ 2.0
Power (Watts)	1	1
Impedance (Ohms)	50	50
Dimension (mm)	109 x $\varnothing 10$	
Weight (g)	$9.5 \pm 2g$	
Connector	RP-SMA Plug	
Polarization	Liner ; Vertical	
Operating Temp (°C)	$-20^{\circ}\text{C} \sim +60^{\circ}\text{C}$	



Mechanical Dimensions



F		E		D		C		B		A		
						Rev	Zone	Description		ENG	Approved	Date
						A1		增加BOM List				2025/05/16
<div><div>1</div><div>2</div><div>3</div><div>4</div></div> 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LYNwave Technology

Antenna & Thermal solution provider

Antenna Field Test Report

Company: Edimax

Project Name:

Model Name: BENQ RX

Application:

Mounting Type: SMA External Dipole

Date	Owner	Check	Revision	History
2024/11/14	Jason	Alex	v0.1	SMA External Dipole field test

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- A. Antenna RF Characteristics
 - 1. Customer Specification
 - 2. Antenna Placement
 - 3. S-parameters
 - 4. Coordinate Definition
 - 5. Gain Table
 - 6. Cross Isolation Table
 - 7. Radiation Pattern
 - 8. Summary

Customer Specification

Ant. No.	Type	Function	Operating Freq.	Radiation Pattern	Cable Type	Connector Type
Ant.1	External	Wi-Fi	2400-2500MHz 5150-5850MHz	NA	NA	NA

Specification	Return Loss	VSWR	Isolation	Peak Gain	Efficiency	Remark
2.4GHz	NA	NA	NA	NA	NA	
5GHz	NA	NA	NA	NA	NA	

Antenna Performance requirement

Standard	Freq. Band (GHz)	Antenna Requirement					
		3D Average Gain (dB)		2D Average Gain (dB)		H-Plane Peak Gain (dBi)	H-Plane avg. Gain (dB)
		Main	Aux	Main	Aux		
802.11 b/g/n/ax	2.4-2.5	≥ -2	≥ -2	≥ -2	≥ -2	≤ +2	≥ -5.5
802.11 a/n/ac/ax	5.15-5.85	≥ -2	≥ -2	≥ -2	≥ -2	≤ +3	≥ -5.5
Wi-Fi 6E	5.925-7.125	≥ -2	≥ -2	≥ -2	≥ -2	≤ +3	≥ -5.5

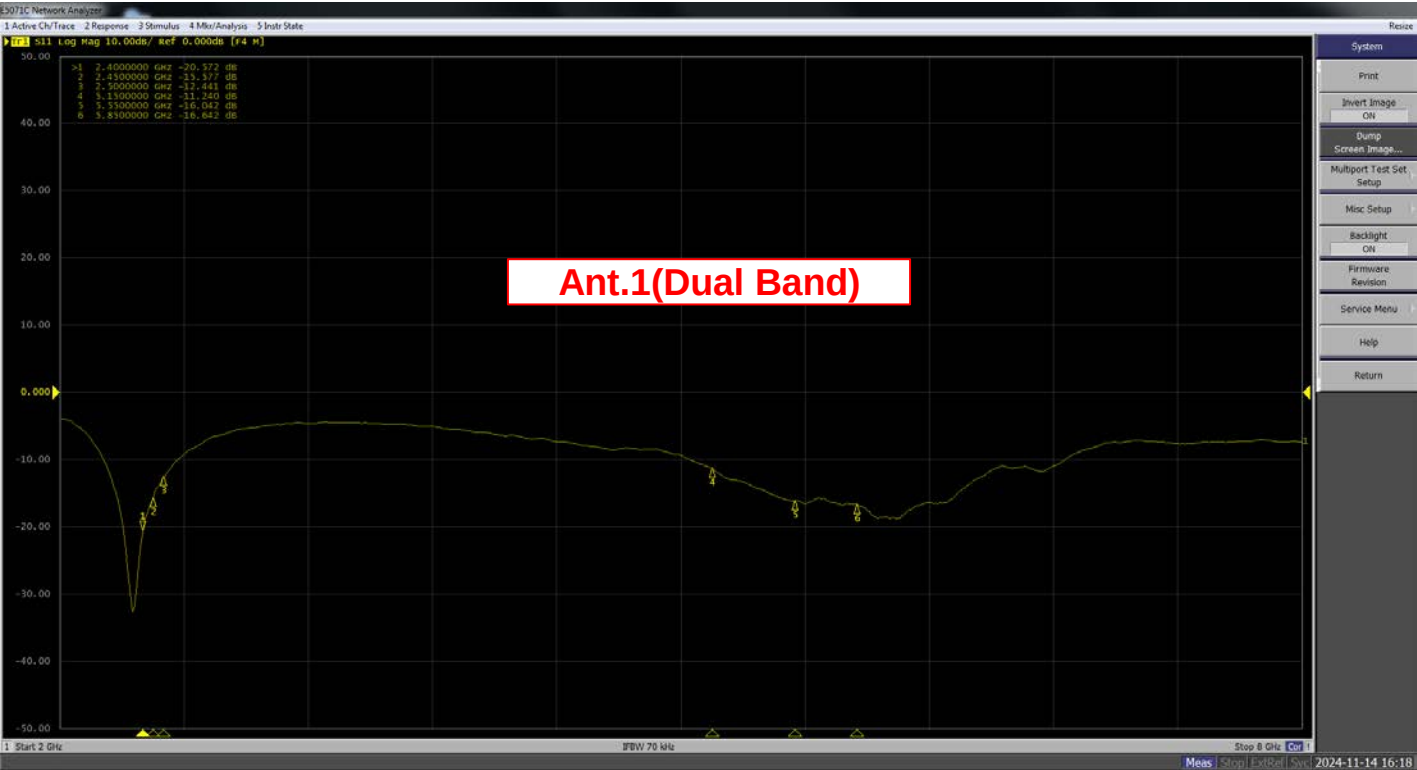
Antenna Placement

No.	Function	Material	Dimension(mm)	Frequency(MHz)	Remark
Ant.1	WIFI Dual Band	External Dipole	Refer to datasheet	2400 – 2500 5150 – 5850	

Ant.1



S-parameters



Coordinate Definition Equipment: Satimo

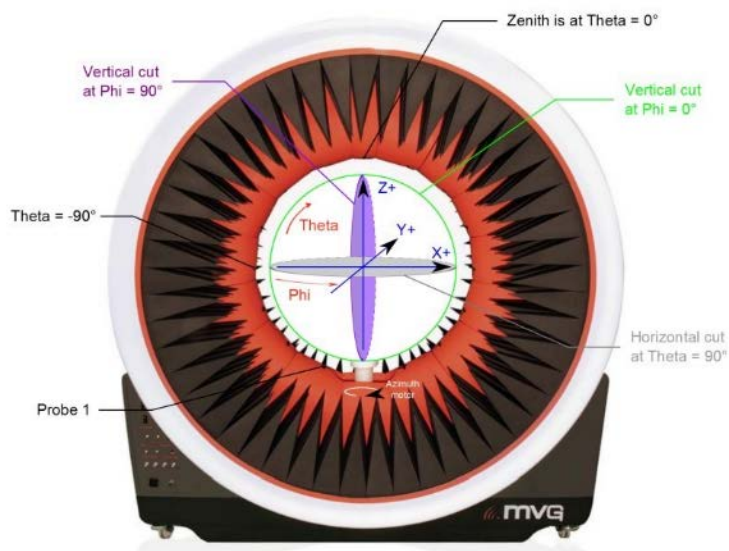
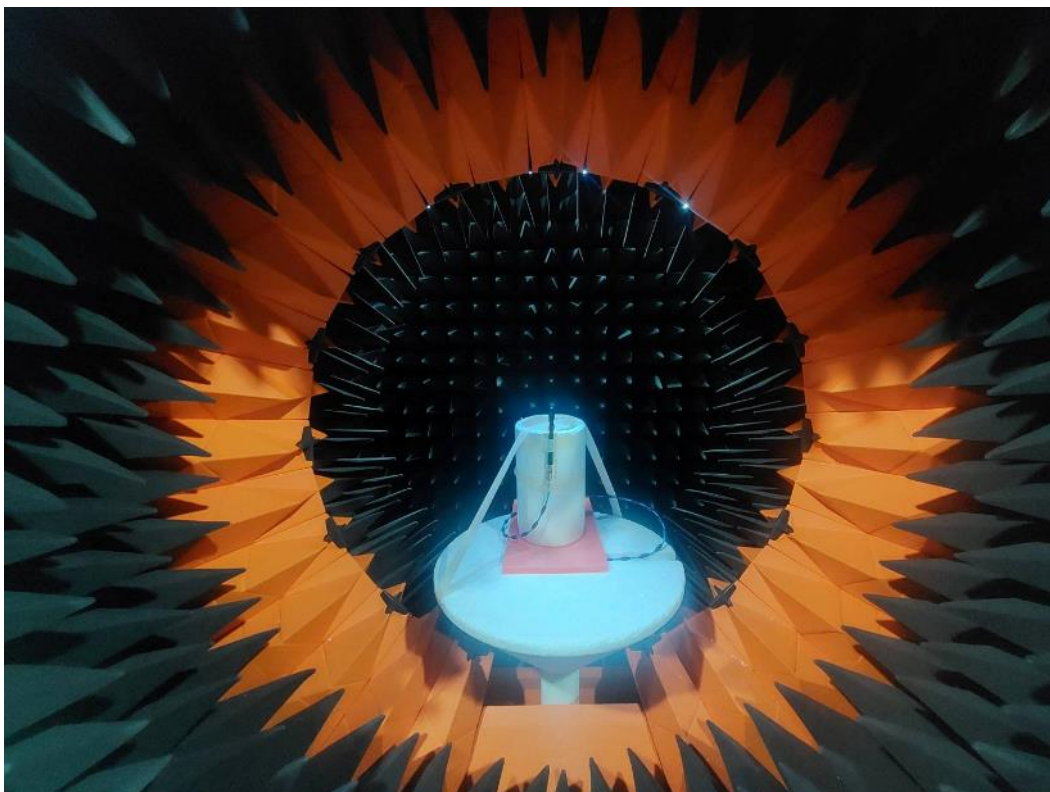
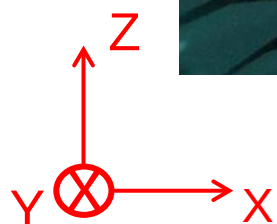


Figure 3.12: StarLab spherical coordinate system



***Measurement is based on the antenna center is aligned with center of Satimo chamber**

Gain Table

2.4GHz	Frequency(MHz)	2400	2450	2500
Ant.1	Peak Gain(dBi)	2.5	2.6	2.6
	Efficiency(%)	75	77	72

5GHz	Frequency(MHz)	5150	5550	5850
Ant.1	Peak Gain(dBi)	1.5	1.7	2.0
	Efficiency(%)	70	72	71

Antenna Performance Table

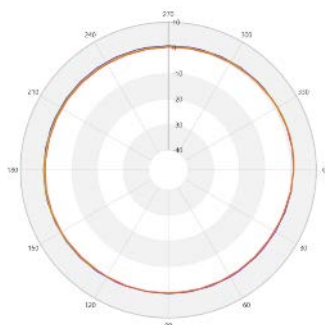
Ant.1 Standard	Freq. (GHz)	Antenna Requirement (Worst)					
		3D Avg. Gain(dB)	XY-Plane Avg. Gain(dB)	ZX-Plane Avg. Gain(dB)	ZY-Plane Avg. Gain(dB)	H-Plane Peak Gain(dBi)	H-Plane Avg. Gain(dB)
802.11 b/g/n/ax	2.4 - 2.5	-1.4	0.4	-4.5	-4.7	2.6	0.4
802.11 a/n/ac/ax	5.15 - 5.85	-1.5	0.6	-4.3	-4.5	2.0	0.6

Ant.1_2.4GHz 2D Radiation Pattern

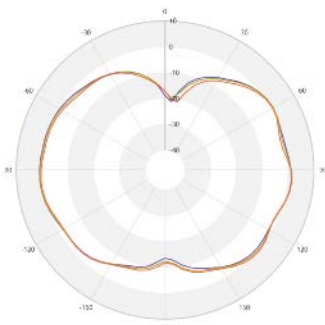
Frequency(MHz) : 2400~2500

Radiation Pattern :

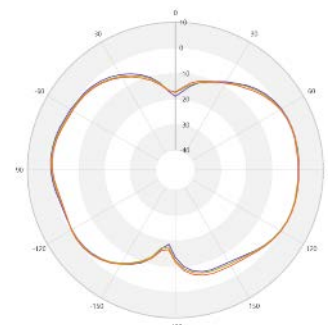
Azimuth Plane
Theta = 90



Elevation Plane
phi = 0

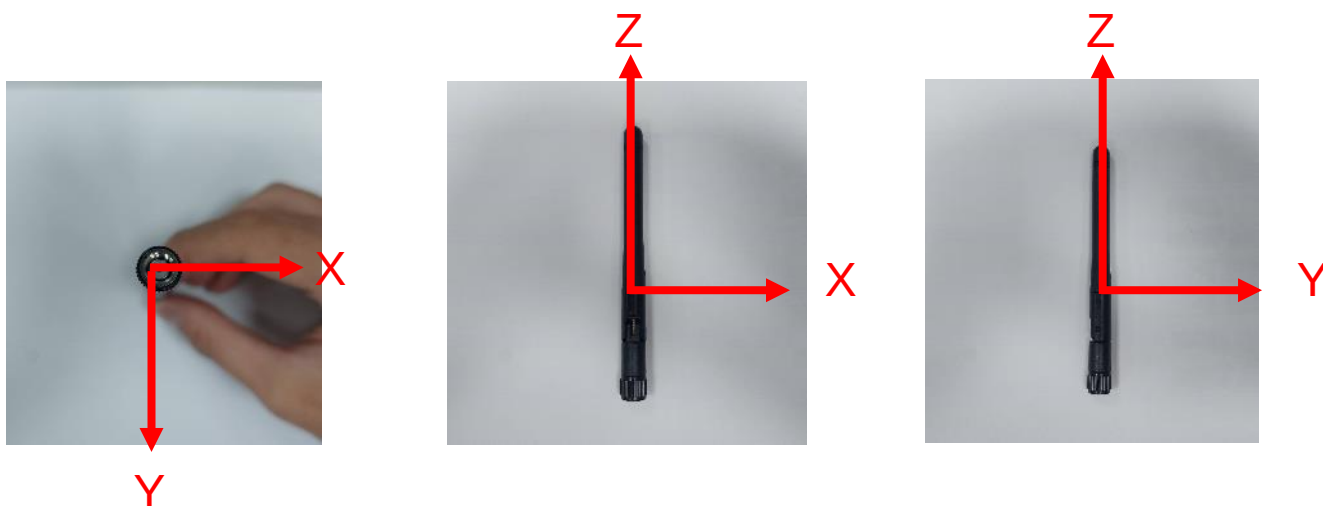


Elevation Plane
phi = 90



— 2400.00 MHz
— 2450.00 MHz
— 2500.00 MHz

Setup :

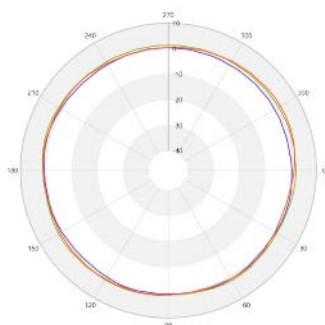


Ant.1_5GHz 2D Radiation Pattern

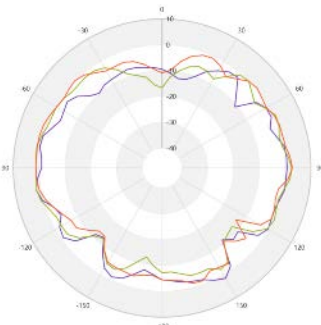
Frequency(MHz) : 5150~5850

Radiation Pattern :

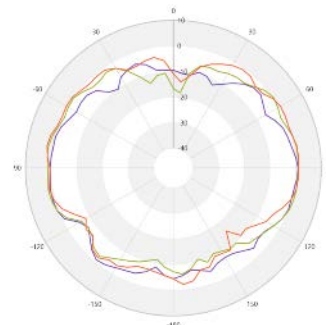
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Theta = 90



Elevation Plane
phi = 0

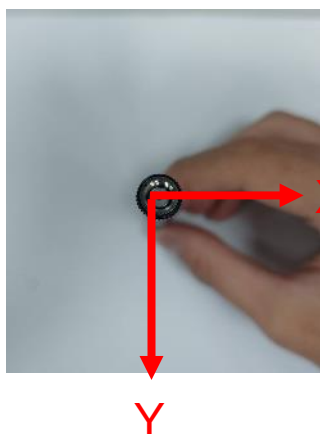
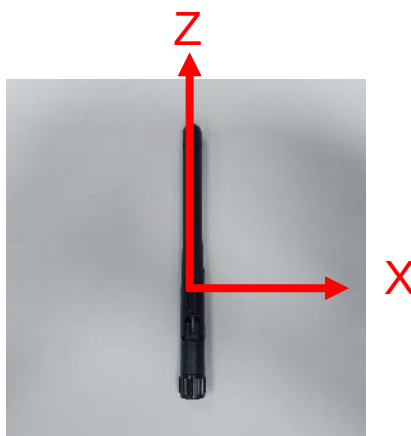
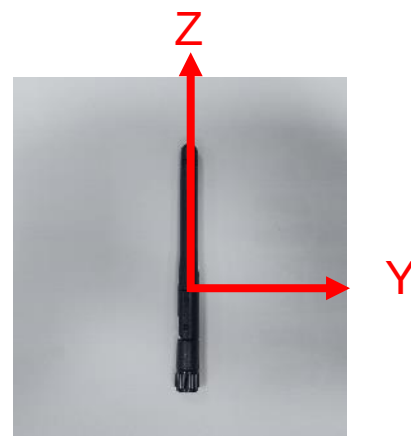


Elevation Plane
phi = 90



— 5150.00 MHz
— 5550.00 MHz
— 5850.00 MHz

Setup :



Summary

Summary	
Return Loss – 2.4GHz	< -10dB
Return Loss – 5GHz	< -10dB
Efficiency – 2.4GHz	> 70%
Efficiency – 5GHz	> 70%
Peak Gain – 2.4GHz	2.5 - 2.6dBi
Peak Gain – 5GHz	1.5 - 2.0dBi

Ant.1 Standard	Freq. (GHz)	Antenna Requirement (Worst)					
		3D Avg. Gain(dB)	XY-Plane Avg. Gain(dB)	ZX-Plane Avg. Gain(dB)	ZY-Plane Avg. Gain(dB)	H-Plane Peak Gain(dBi)	H-Plane Avg. Gain(dB)
802.11 b/g/n/ax	2.4 - 2.5	-1.4	0.4	-4.5	-4.7	2.6	0.4
802.11 a/n/ac/ax	5.15 - 5.85	-1.5	0.6	-4.3	-4.5	2.0	0.6

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<https://www.linkedin.com/company/lynwave-technology-ltd./>



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YDPU2.E338209
Tubing, Extruded Insulating - Component

[Page Bottom](#)

Tubing, Extruded Insulating - Component

[See General Information for Tubing, Extruded Insulating - Component](#)

DONGGUAN CITY CHANGJIE METALS & PLASTIC PRODUCTS CO LTD
1ST FL, ROOM 041, DIST 5
XIANSHA WUFANG VILLAGE, GAOBU TOWN
DONGGUAN, GUANGDONG 523285 CHINA

E338209

Cat. No.	Max V, rms	Max Oper Temp, °C	Col Recognized	Oil-resistance Class*	VW-1 Rated#
Not Heat Shrinkable PTFE (Polytetrafluoroethylene) Tubing					
CJ-TT-L	150	200	All including Clear	—	Yes
CJ-TT-T	300	200	Black	—	Yes

Tubing is considered to comply with the optional VW-1 flammability requirements only if it is so marked.



Marking: Company name or "E338209" or trademark , catalog designation, inside diameter (before and after recovery for heat-shrinkable tubing), voltage rating, temperature rating in degrees C and date of manufacture to be printed on tags attached to both ends of the tubing or on the shipping spool label or smallest unit container in which the product is packaged.

[Last Updated](#) on 2011-07-21

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iq.ul.comComponent - Plastics [\[guide info\]](#)**E173318****FORMOSA PLASTICS CORP**

HSIN KANG POM PLANT, 3 CHUNG YANG INDUSTRIAL PARK, HSIN KANG HSIANG, CHIA-YI 616 TW

FM025, FM090, FM090LV, FM090LMD, FM090UV, FM270

Acetal Polyoxymethylene (POM), furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.8	HB	5	0	110	90	90
	3.0	HB	3	0	110	90	100

Comparative Tracking Index (CTI): 0

Inclined Plane Tracking (IPT): -

Dielectric Strength (kV/mm): -

Volume Resistivity (10^X ohm-cm): -

High-Voltage Arc Tracking Rate (HVTR): 0

High Volt, Low Current Arc Resis (D495): 5

Dimensional Stability (%): -

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 1999-01-18

Last Revised: 2016-06-20

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**IEC and ISO Test Methods**

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.8	HB75 (ALL)
			3.0	HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-



Dong Guan New-Orient Technology Co.,Ltd

MATERIAL DATA SHEET

Part name: Silicone rubber

Product series: ZY-(HD)9150(含 9105.9110.9120.9130.9140.9160.9170.9180.9190.9130Q)

Composition/information on Ingredient:

1. Methyl vinyl polysiloxane CAS NO: 68083-19-2

Polysiloxanes, di-Me, vinyl group-terminated

Molecular formula: $C_8H_{18}Si_2O$

WT: 56%~80%

2. Silicone dioxide CAS NO: 112945-52-5

Molecular formula: SiO_2

WT: 18%~40%

3. Silicone oil CAS NO: 63148-62-9

Molecular formula: $HO(R_2SiO)_nH$

WT: 2%~4%

Dong Guan New-Orient Technology Co., Ltd

QC Department

2023.02.08

COMPONENT - PLASTICS (QMFZ2, QMFZ3, QMFZ8, QMFZ9)

TABLE B - INDEX TO TESTING

Sample Group	#/Group /Year	Generic Class	Material Designation	Report Date	Thk, mm	Color	Flame	MCC Ref	IR Ref	TGA Ref	DSC Ref	Additional Info	Test Program Code
1	1	Silicone Rubber (SIR)											
			ZY9150	2012-11-14	3.0	NC	HB	-	T11-06-12	T03-18-14	T07-54-12	-	A
2	1	Silicone Rubber											
			ZY-LSR-2140A/B	2019-03-12	3.0	NC	HB	-	T02-26-19	T01-06-19	-	-	E

COMPONENT - PLASTICS (QMFZ2, QMFZ3, QMFZ8, QMFZ9)



INDEX TO FOOTNOTES:

宁波杭桥铜业有限公司

NINGBO HANGQIAO COPPER INDUSTRT CO.,LTD

客户COSTOMER: 鑫拓 日期DATE: 2023 年 11 月 7 日 证明书号GUARANTEE: 20231107-6

产品质量证明书 PRODUCT QUALITY GUARANTEE

产 品 的 名 称 及 规 格 INEM&SPECIFCATION									
牌 号 TRADEMARK	名 称 NAME		状 态 CONDITON		外 径(mm) OUTER DLA		尺寸实测 mm		长 度(mm) LENGTH
C3604	国标环保铜棒		Y2		6光圆		5.98光圆		2500
化学成分 (%)	铜 Cu	铅 Pb	铁 Fe	锡 Sn	镍 Ni	铝 Al	镉 Cd	锌 Zn	杂质总和 IMPURITY SUM
	57.7	2.7	0.475	0.486	0.374	0.029	0.0053	余量	<1.0
硬度 (HV) HARDNESS		伸长率 (δ) PERCENTAGE ELONGTION			制造方法 MANUFACTURE METHOD			生产批号 FURNACE NUMBER	
125		7			拉制棒			20231025-03-02	
检验员INSPECTOR QA01 质量检验公章QUALITY INSPECTION SEAL								产品技术条件 ARTICLE TECH CONDITION 按照GB/T5231-2012标准制造 STADNARDGB/5231-2012MADE	

东莞市昌泰金属贸易有限公司
质量证明书

客户名称:

日期: 2025年3月11日

表单编号: QF-QC-003A

品名	锌合金		牌号	3#锌合金		总净重 (Kg)			总件数		执行标准	技术协议	
化 学 成 份 含 量 (%)													
元素	Al	Cu	Mg	Fe	Pb	Cd	Sn	Ni	-	-	-	-	Zn
标准	3.9-4.3	<0.10 (max)	0.03-0.06	<0.035	<0.004	<0.003	<0.0015	/	-	-	-	-	余量
2025.3.7.A	4.06	0.013	0.040	0.005	<0.001	<0.0005	<0.001	<0.001	-	-	-	-	余量
项目	外观检验			断口检验					针孔度检验				
技术要求	锌合金表面应整洁, 不得有霉斑、熔渣、明显裂纹及外来夹杂物。			锌合金断口等级为1~3级。					铸锭针孔度（不包括疏松和缩孔）JB. T7946. 3 为1~3级。				
	符合以上要求			2级					2级				
结论	合格			合格					合格				
备注	物理及机械特性的数据是透过理想环境及使用特定的拉力测试棒所得出之结果，因此只供参考。												

填表: 卢志康



Component - PlasticsE59481

Guide Information

CHANG CHUN PLASTICS CO LTD

No 8 Huaxi Rd, Daliao District, Kaohsiung City 83164 TW

1100

Polybutylene Terephthalate (PBT) "LONGLITE", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAi	RTI Elec	RTI Imp	RTI Str
ALL	0.75	HB	3	0	75	75	75
	1.5	HB	3	0	75	75	75
	3.0	HB	2	0	75	75	75

Comparative Tracking Index (CTI): 0

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): 27

Volume Resistivity (10^x ohm-cm): 14

High-Voltage Arc Tracking Rate (HVTR): 0

High Volt, Low Current Arc Resis (D495): 6

Dimensional Stability (%): -

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Report Date: 1987-09-01

Last Revised: 2010-05-25

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	HB75 (ALL)
			1.5	HB75 (ALL)
			3.0	HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-

Component - PlasticsE56070

Guide Information

CHI MEI CORPORATION

59-1 SAN CHIA, JEN TE, TAINAN 717 TW

PC-110(+)

Polycarbonate (PC) "Wonderlite", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	1.5	V-2	2	4	125	105	125
	2.5-2.8	V-2	2	3	125	105	125
	3.0	HB	2	3	125	105	125

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): -

High-Voltage Arc Tracking Rate (HVTR): 2

Dimensional Stability (%): -

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): -

High Volt, Low Current Arc Resis (D495): 6

(+) - Indicate 0~0.5% acid scavengers.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

Report Date: 2001-09-25

Last Revised: 2009-06-04

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.5	V-2 (ALL)
			2.5-2.8	V-2 (ALL)
			3.0	HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-2	kJ/m ²	-	-

云泰铜业产品质量检验报告
YUNTAI COPPER INDUSTRY WARRANTY LIST

客户名称 Customer	谦亿	订单编号 Order No.		出货日期 Delivery Date	2023/7/27					
牌号-状态 Design-Temper	规格 mm SiZe	料卷批号 Coil No.	毛重kg G. W	净重kg N. W	执行标准 Standard No.					
C2680 M	0.35*380	232176	703.8	698.4	GB/T 2059-2017					
外形尺寸 Physiocl Dimension										
项目 Item	厚度, mm Thickness	宽度, mm Width	侧弯, mm/m Camber	毛刺, mm Burr	表面粗糙度Ra, μm Roughness					
规范 Spec	最大Max	0.357								
	最小Min	0.343								
实测值Actual	0.351	380								
主要化学成分 Chemical Composition, %										
元素Element	Cu	Zn	Fe	Pb	Ni					
规范 Spec	最大Max	68.0	余量	0.05	≤0.01	0.5				
	最小Min	64.0	余量	/	/	/				
实测值Actual	64.17		0.0265	0.0034	0.017					
主要化学成分 Chemical Composition, %										
项目 Item	抗拉强度Rm, N/mm2 Tension Strength	延伸率, % Elongation	维氏硬度Hv Hardness	杯突值, mm Erichsen	晶粒度, mm Grain Size					
规范 Spec	最大Max			85						
	最小Min			70						
实测值Actual	366	48	82	—						
质保书未填报的检测项目均合格, 敬请注意: (1) 货到后请立即验收并放在室内干燥处。(2) 验收后对产品内在、外在质量存在异议, 请立即致电通知, 并在收货后3个工作日内函告本公司。(3) 如有质量异议, 请注明产品牌号、规格、状态、批号、收货日期等信息, 以便追溯与改进。(4) 质保有效期为1个月。										
检验结论 Test Result	合格	检验员 Checker		审核员 Inspector						

公司地址: 江西省贵溪市经济开发区贵八路8号



电话Tel: 0701-3339139 3339028



材 质 证 明 CERTIFICATE

1 环保材质 CB-HFT 热缩套管成分表 (黑色) CB-HFT HEAT-SHRINKABLE TUBING (BLACK)

原料名称 MATERIAL NAME			使用 目的 USE AIM	含量 cont ent	供应商 RAW MATERIAL MANUFACTU RER NAME	CAS No.	产地 Place of origin
品名 NAME	简称 abbreviati on	分子式 molecular formula					
乙烯醋酸乙烯酯共聚物	EVA	$(CH_2-CH_2)_m-(CH_2-CH-COOCH_3)_n$	主剂 MAIN RESIN	$\geq 49\%$	扬巴 BASF-YPC	24937-78-8	南京 NANJING
氢氧化镁	MDH	$Mg(OH)_2$	阻燃剂 FLAME TETARDANT	40%	华昇 HUASHENG	1309-42-8	湖南益阳 YIYANG
红磷	Red Phosphorus	P	阻燃剂 FLAME TETARDANT	5%	宏泰基 HONGTAIJI	7723-14-0	深圳 SHENZHEN
四(3,5-二叔丁基-4-羟基)苯丙酸季戊四醇酯	抗氧化剂 1010	$C_{73}H_{108}O_{12}$	抗氧化剂 ANTIOXIDAN T	1%	盛世达 SHENGSHIDA	6683-19-8	深圳 SHENZHEN
碳黑	pigment	C	着色剂 COLORANT	4%	恒彩 HENGCAI	1333-86-4	东莞 DONGGUAN
油墨	INK	---	印字 INKER	$\leq 1\%$	信达 XINDA	--	上海 SHANGHAI

2 环保材质 CB-HFT 热收缩套管成分表 (彩色管) CB-HFT HEAT-SHRINKABLE TUBING (Multicolor):

原料名称 MATERIAL NAME			使用 目 的 USE AIM	含量 cont ent	供应商 RAW MATERIAL MANUFACT URER NAME	CAS No.	产地 Place of origin
品名 NAME	简称 abbreviati on	分子式 molecular formula					
乙烯醋酸乙烯酯共聚物	EVA	$(CH_2-CH_2)_m-(CH_2-CH-COOCH_3)_n$	主剂 MAIN RESIN	$\geq 49\%$	扬巴 BASF-YPC	24937-78-8	南京 NANJING
氢氧化铝	ATH	$Al(OH)_3$	阻燃剂 FLAME TETARDANT	30%	华昇 HUASHENG	21645-51-2	湖南益阳 YIYANG
氮系阻燃剂	NM	$N_mH_xO_y$	阻燃剂 FLAME TETARDANT	15%	宏泰基 HONGTAIJI	--	深圳 SHENZHEN
四(3,5-二叔丁基-4-羟基)苯丙酸季戊四醇酯	抗氧化剂 1010	$C_{73}H_{108}O_{12}$	抗氧化剂 ANTIOXIDANT	1%	盛世达 SHENGSHIDA	6683-19-8	深圳 SHENZHEN
色母	pigment	色粉+EVA+填充剂	着色剂 COLORANT	4%	恒彩 HENGCAI	--	东莞 DONGGUAN
油墨	--	---	印字 INKER	$\leq 1\%$	信达 XINDA	--	上海 SHANGHAI

长园电子(东莞)有限公司
 CHANGYUAN ELECTRONICS (DONGGUAN) CO., LTD
 2019-04-03

YDPU2.E180908 - Tubing, Extruded Insulating - Component

Tubing, Extruded Insulating - Component

See General Information for Tubing, Extruded Insulating - Component

CHANGYUAN ELECTRONICS GROUP CO LTD

E180908

WOER MANSION 101 ZHUKENG COMMUNITY
LONGTIAN STREET
PINGSHAN DISTRICT
SHENZHEN, GUANGDONG 518118 CHINA

Cat. No.	Max V rms	Max Oper Temp, °C	Color Recognized	Oil- resistance Class[a]	VW-1 Rated[b]
Flexible heat shrinkable radiation cross-linked Polyolefin tubing					
CB-1000	600	125	All except clear	-	Yes
Not-heat-shrinkable PVC tubing					
CB-300	300	105	BK or CL	-	Yes
CB-600	600	105	BK or CL	-	Yes
Flexible heat shrinkable Polyolefin tubing with liner					
CB-DWT, CB-DWT(XY)	600	125	All except clear	-	Yes
Shrinkable Polyolefin - Flexible					
CB-HFT(TM)	600	125	All except clear	-	No
CB-HFT*, CB-HFT(XY)*, CYG-MT*	300	125	All except clear	-	Yes
CB-HFT, CB-HFT(XY), CYG-MT	600	125	All except clear	-	Yes
Not heat-shrinkable silicone					
CB-SRT	600	150	All except clear	-	Yes (ID size 6.5 to 25 mm only)
Not-heat-shrinkable Polytetrafluoroethylene (PTFE) tubing					
CB-TT-L	150	200	All including clear	-	Yes
CB-TT-S	600	200	All including clear	-	Yes

CB-TT-T	300	200	All including clear	-	Yes
Heat Shrinkable FEP (fluorinated ethylene propylene) Tubing					
CYG-FEP-L	150	200	Clear	-	Yes
CYG-FEP-S	600	200	Clear	-	Yes
CYG-FEP-T	300	200	Clear	-	Yes
Flexible heat-shrinkable modified Fluoropolymer tubing					
CYG-KT	600	150	All including CL	-	Yes
CYG-KYNAR	600	150	CL	-	Yes
Shrinkable Polyolefin - Flexible					
CYG-ZHP	600	125	All except clear	-	Yes
CYG-ZHP *	300	125	All except clear	-	Yes

[a] - Tubing is considered to comply with the optional Oil Resistance requirements only if authorized in the above table and marked "Oil Resistant" (or "Oil Res"), followed by the class (01, 02 or 03).

[b] - Tubing is considered to comply with the optional VW-1 flammability requirements only if authorized in the above table and if so marked.

* - Designation is same for 300V and 600V. Tubing shall be marked accordingly.

Marking: Company name or tradename "E180908" or trademark

CYGC, **KTG**, **CYE**

CYG

, catalog designation, inside diameter (before and after recovery for heat-shrinkable tubing), voltage rating, temperature rating in degrees celsius and date of manufacture (or traceable code) printed on tags attached to both ends of the tubing or printed on the shipping spool label or smallest unit container in which the product is packaged.

Last Updated on 2020-11-11

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规 格 书

Specification

系列 Series	RG178 (50 Ω)
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1. 结构图/Configuration



2. 结构/Construction:

项目/Item		详细资料/Details
①内导体 Inner conductor	材料/Material	镀银铜线 Cu-silver plated
	构成(根/mm)/Composition(No./mm)	7/0.102±0.005
	标称直径/NOM. O. D	0.306±0.02
②绝缘层 Insulation	材料/Material	聚全氟乙丙烯/FEP
	标称外径/NOM. O. D	0.865±0.03
	颜色/Color	Natural
③外导体 Outer conductor	材料/Material	镀锡铜线 Tinned copper
	形式 Type	编织/Weaving
	构成/Composition	16/3/0.1±0.005
	遮蔽率/ Shielding rate	90±5%
	标称直径/NOM. O. D	1.32±0.05
④护套层 Jacket	材料/Material	聚全氟乙丙烯/FEP
	标称外径/NOM. O. D	1.78±0.1
	颜色/Color	按客户要求

3. 性能特性 Performance characteristics

项目/Item	单位/Unit	详细资料/Details	
电容/Capacitance	pF/m	98	
特性阻抗/Conductor Resistance	Ω	50±3.0	
耐压强度/Dielectric Strength	A. C V/1min	1000	
衰减/Attenuation	/	频率/Frequency	dB/1m
		1GHz	≤1.7
		2GHz	≤2.42
		3GHz	≤3.08
		4GHz	≤3.63
		5GHz	≤4.15
		6GHz	≤4.8
		8GHz	≤6.0
		10GHz	≤7.5
驻波比/Standing wave(0-8GHz)	/	≤1.4	
驻波比/Standing wave(8-10GHz)	/	≤1.5	



江阴凯博通信科技有限公司

JiangYin KaiBo Communication Technology CO.,LTD.

DATE: 2022-8-7

Page: 3 to 3

4. 机械性能特性 Mechanical characteristics

项目 Item	单位 Unit	详细资料/Details
最小弯曲半径(一次) Min.bending radius static	mm	8
工作温度范围 Operating temperature	℃	-55to125

5. 使用提示 Use tips

存储环境 Storage environment	温度：30℃以下；湿度：20%~65%
最佳保存周期 The best save cycle	2 个月，2 个月以上锡效果变差, 但电性能不受影响，夏季高温高湿环境开剥后需尽快流转
加工温度 Processing temperature	250℃~260℃的情况下，可短时间承受；300℃以上会出现热分解现象
铁氟龙收缩 Teflon Shrink	绝缘层收缩 $\leq 0.2\text{mm}$ ；护套层收缩 $\leq 0.3\text{mm}$

6. 包装 Packing

标准单位包装长度为 500 米/盘, 每盘最多允许 3 个接头, 接头最短长度 10 米, 在搬运过程中不能损坏包装。

Standard unit for the 500m/reel length of packaging, each set up to allow 3 joints, the joint shortest length of 10m, The finished cable shall be packed not be damaged during transportation.

7. 其他 Other

特殊加工工艺，请与供方协商后使用。

Special processing technology, please use after consultation with the supplier.

AVLV2.E349435 - Appliance Wiring Material - Component

Appliance Wiring Material - Component

[See General Information for Appliance Wiring Material - Component](#)

JIANGYIN KAIBO COMMUNICATION TECHNOLOGY CO LTD
No.83 Dong Ding Rd. Mountain View Town
Jiangyin, Jiangsu 214400 CHINA

E349435

Table of Recognized Styles

Single-conductor, thermoplastic insulation.							
1007	1061	1569	10064	10304	10369	11149	
1015	1354	1571	10248	10368	10871	11180	
Single-conductor, thermoset insulation.							
3302	3385	3386	3619				

Marking: Company name, voltage rating, temperature rating, conductor size, conductor material if other than copper, and use.

Last Updated on 2021-01-15

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綠億科技股份有限公司

LYNwave Technology Limited

包裝規範書

產品名稱	Dipole	客戶名稱	Edimax	版次	A0
綠億料號	ALX24X-221AA0-00	客戶料號		製作日期	2025/3/20
產品包裝說明		產品包裝圖示			
<p>一、包裝：</p> <p>(1)核對產品料號是否與生產指令單相符</p> <p>(2)1pcs/熱封口袋</p> <p>(3)無出線接頭則免包珍珠棉，100pcs/大熱封口袋，貼上客戶指定格式的内標籤</p> <p>二、裝箱：</p> <p>(1)紙箱四周需有緩衝材，上下有紙板</p> <p>(2)每箱10~50袋</p> <p>(3)尾數箱需用緩衝材填滿</p> <p>(4)每箱貼客戶指定格式的外標籤</p> <p>(5)品保需檢驗外標籤內容與實物是否相符</p> <p>註:</p> <p>1.線長50mm以下,接頭端不包珍珠棉</p> <p>2.以實際裝箱數量為準</p> <p>3.成品儲存標準:</p> <p>溫度:23度 ±5</p> <p>濕度:<=65%</p>		<p>單PCS</p> <p>熱封口袋</p> <p>紙箱</p>			

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