

规格书

Specification

客户名称:	
CUSTOMER:	
客户料号:	
CUSTOMER P/N:	
客户品名:	
DESCRIPTION:	
捷雷料号:	
JL P/N:	C168-JL-7756
捷雷品名:	
PART NO:	NDM-2G&5G&6G-73Pro 天线
版 本:	
Revision:	V1.0

核准	审核	编制
Frank	Eason	Eden
2024. 02. 27	2024. 02. 27	2024. 02. 27

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版本描述

日期	批准	版本	描述
2024. 02. 27		V1. 0	初版

1. Product Performance



电性能指标/Electrical specifications			
频率范围 (GHz)/Frequency range(GHz)	2.4-2.5	5.15-5.85	5.925-7.125
电压驻波比/VSWR	≤2.0	≤2.0	≤2.0
输入阻抗 (Ohm)/Impedance(Ohm)	50	50	50
增益(dBi)/Peak Gain(dBi)	3.99	6.98	6.99
极化形式/Polarization Type	Linea		
隔离度/Isolation(dB)	≥20		
机械指标/Mechanical specifications			
天线尺寸（mm） /Dimensions(mm)	177.25*177.25*11.7		
连接器类型/Connector Type	RF 一代端子 137		
电缆类型/Cable Type	RF 1.37L-F		
工作温度（℃） /Operation Temperature （℃）	-20~65		
存储温度（℃）/Storage Temperature（℃）	-20~65		

2. Environmental Performance Test

NO	项目 Item	测试条件 Test Condition	规格要求 Requirement	结论
1	外观 Appearance	目测 Visual by eye 视力 Light:>1.0 照明 Lamp:200~300Lx 目测距离 Space:0.3~0.6m	1、塑胶件表面无明显疤痕、凹陷、开裂及影响使用变形。 Plastic part:smooth and flat surface without discolor,broken,crack distortion defects is acceptable 2、金属件表面无明显机械损伤等缺陷。 Metal part:No obvious mechanical damage and other defects on the surface 3、线路板(或柔性线路板)表面无脏污、破损、氧化、无明显的机械损伤等缺陷,丝印清晰。 PCB (or FPCB) : The surface is free of dirt, damage, oxidation, no obvious mechanical damage and other defects, screen printing clear. 4、导线表面清洁、无破损等缺陷。 Wire:clearing surface without discolor,broken defects.	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格 <input type="checkbox"/> NA
2	端子固定力 /Terminal Retention Force	固定连接器或测力计,在连接器轴线方向施加规定的拉力,速度不大于 25mm/min。 Apply axial pull out force at the speed rate of not more 25mm/min on the pin assembled in the housing.	12N	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格 <input type="checkbox"/> NA
3	焊接固定力 /Solder Retention Force	固定连接器或测力计,在连接器轴线方向施加规定的拉力,速度不大于 25mm/min。 Apply axial pull out force at the speed rate of not more 25mm/min on the pin assembled in the housing.	12N	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格 <input type="checkbox"/> NA
4	耐盐雾测试 /Salt spray test	参考 GB-T2423.17 规范,浓度 5%之氯化钠(NaCl)溶液;PH 值 6.5-7.2; 温度 35℃,	静置常温干燥后,检查外观,样品表面无明显腐蚀等异常现象或依图面规格需求。 After drying at room temperature, check	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格 <input type="checkbox"/> NA

		测试时间 24H。 Refer to GB-T2423.17, NACL solution with 5% concentration, PH 6.5-7.2, temperature 35 °C, test time 24 hours.	appearance, the sample surface no obvious corrosion and other abnormal phenomena or according to the drawing specifications.	
5	高温测试 /High temperature test	参考 GB-T2423.2 规范, 温度 65℃, 测试时间 24 小时。 Refer to GB-T2423.2, the temperature is 65 °C and the time is 24 hours.	静置常温干燥后, 检查外观, 样品无变形、剥离、裂纹、皱纹异色、鱼鳞纹。 After drying at room temperature, check appearance, samples without deformation, stripping, cracks, wrinkles, different color, fish scale lines.	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格 <input type="checkbox"/> NA
6	低温测试 /Low temperature test	参考 GB-T2423.1 规范, 温度 -20℃, 测试时间 24 小时。 Refer to GB-T2423.1, the temperature is -20 °C for 24 hours.	静置常温干燥后, 检查外观, 样品无变形、剥离、裂纹、皱纹异色、鱼鳞纹。 After drying at room temperature, check appearance, samples without deformation, stripping, cracks, wrinkles, different color, fish scale lines.	<input checked="" type="checkbox"/> 合格 <input type="checkbox"/> 不合格 <input type="checkbox"/> NA

4. UL

CERTIFICATE OF COMPLIANCE	
Certificate Number	E513658
Report Reference	E513658-2020-05-08
Date	2023-April-28
Issued to:	Fujian WBT Communication Technology Co Ltd No.5, Huangzhu Road, Huangzhu Village Industrial Zone Lincheng Town, Shanghang Longyan Fujian 364200 CN
This is to certify that representative samples of	APPLIANCE WIRING MATERIAL - COMPONENT See Addendum Page for Product Designation(s).
	Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.
Standard(s) for Safety:	UL 758, Appliance Wiring Material
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information
<p>This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.</p> <p>Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.</p> <p>Look for the UL Recognized Component Mark on the product.</p>	
<div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div>  <small>Deborah Jennings-Corner, VP Regulatory Services UL LLC</small> </div> <div style="text-align: right;">  </div> </div> <p><small>Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at info@ul.com or www.ul.com</small></p>	

CERTIFICATE OF COMPLIANCE

Certificate Number E513658
Report Reference E513658-2020-05-08
Date 2023-April-28

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

SINGLE-CONDUCTOR THERMOPLASTIC-INSULATED WIRE

10007, 10050, 10064, 11863



Deborah Jennings-Corner, VP Regulatory Services

UL LLC

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QMFZ2 Component - Plastics			Friday, October 24, 2003					E107536	
SHINKONG SYNTHETIC FIBERS CORP									
223 YEN PING RD SEC 3 PIN CHENG TAOYUAN HSIEN 324 TW									
Material Designation: D201G30									
Product Description: Polybutylene Terephthalate (PBT), glass reinforced, furnished as pellets.									
Color	Min. Thick. (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str	IEC GWIT	IEC GWFI
ALL	0.71	HB	4	0	140	120	140	-	-
	1.5	HB	2	0	140	130	140	-	-
	3.0	HB	1	1	140	130	140	-	-
CTI: 1	IEC CTI (V): -	HVTR: 0			D495: 5			IEC Ball Pressure (°C): -	
Dielectric Strength (kV/mm): 20		Volume Resistivity (10 ¹⁰ ohm-cm): 12					Dimensional Stability(%): 0		
ISO Tensile Strength (MPa): -		ISO Flexural Strength (MPa): -					ISO Heat Deflection (°C): -		
ISO Tensile Impact (kJ/m ²): -		ISO Irod Impact (kJ/m ²): -					ISO Charpy Impact (kJ/m ²): -		
Report Date: 7/13/1987		Underwriters Laboratories Inc®							
UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULI.									