

Electronic connection line specification

Model: 2.4G 天线 (19-0.12-1.35-铁氟龙-35MM) 2.4G antenna (19-0.12-1.35-FE-35MM)

Customer: _____

Date: 2023/08/03

1 电线内部材料Internal material of wire

Main material	Range of application	Remarks
Iron fluorine dragon transparent material	It is used outside the wire	environmental protection
brass wires	Lead conductor copper diameter of 0.12	environmental protection
Environmental tin	The wire is peeled and tin	environmental protection

2 产品性能规格及尺寸Product performance specifications and dimensions

Name of a part	Range of application	wire length	Wire color	Exterior
2.4G antenna (19- 0.12- 1.35-Fife- 35MM)	Circuit board wire	35MM	Transparent	The surface has no damage, scratches, oil pollution and other defects

3. Wire performance

NO.	Project	Standard
1	Withstand voltage	60V
2	Current resistance	1500MA
3	Contact resistance	30mΩ MAX
4	Insulation resistance	1000mΩ MIX
5	Pulling	0.9 KG
6	Temperature resistance	80 Degrees

4可靠性测试 reliability test

NO.	Project	Standard	Test method
1	Excluding 16P and ROHS	The 16 components were less than 0.1%	Third-party authoritative testing agency

5. quality guarantee period :6 months after the delivery

6. 使用注意事项Precautions for use

注意：温度不能超过 180℃上使用，电流不能高于 1.5A 以上使用。

Note: The temperature should not exceed 180℃, and the current should not be above 1.5A.

7. 图示diagrammatic



备注：2.4G 天线规格为 19 芯外径 1.35MM 镀锡铜丝导线，透明色，长度为 35MM,线头剥皮 3MM 上锡。符合环保标准： 欧盟 EN71(19E)、ROHS、PAHS、6P~16P、欧美 CPSIA、HR4040。

Note: 2.4G antenna specification is 19 core outer diameter 1.35MM tinned copper wire wire, transparent color, length is 35MM, wire peeling 3MM tin. In line with environmental standards: EU EN71 (19E), ROHS, PAHS, 6P~16P, European and American CPSIA, HR4040.

3 附录Appendices

Product Specification

A. Electrical Characteristics

Frequency 2400MHz ~2500MHz

VSWR <3.0

Efficiency >30%

Impedance 50 Ohm

Polarization Line

Gain 0.17DBi

B. Material & Mechanical Characteristics

Material of Radiator Cu

Cable Type 1.0 19P transparent color transparent color

Connector Type : NO

Dimension

C. Environmental

Operation Temperature - 30 °C ~ + 80 °C

Storage Temperature - 30 °C ~ + 85 °C

Test Equipment & Conditions

1. Network Analyzers :

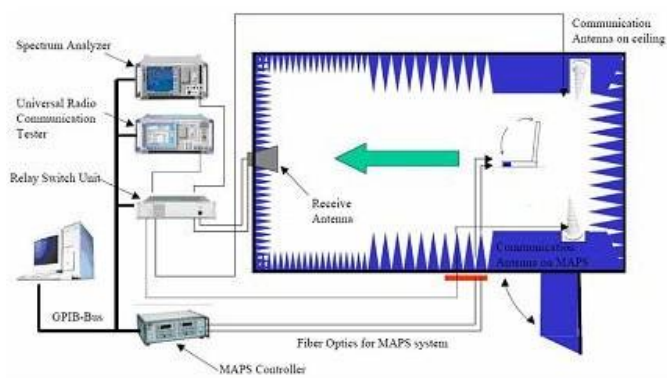
Agilent 8753D 5071B

2. Communications Test Set:

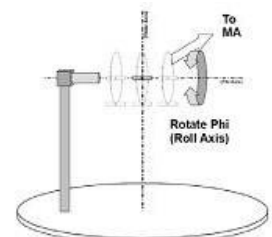
Agilent E5515C

3. 3D Chamber Test Sy

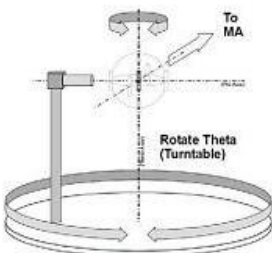
Effiency &Gain



(Testing by 3D anechoic chamber)



Phi axis test



Theta axis test

Effiency &Gain

2.40 -0.00
2.440 -0.11
2.48 -0.13

Radiation Pattern:

