

1、 Name and address of the antenna manufacturer

昆山睿翔讯通通信技术有限公司

Kunshan Innowave Communication Technology Co., Ltd

江苏省昆山市玉山镇盛创路 55 号金土地智造园 H 栋

Building H, Jindudi Zhizaoyuan, 55 Shengchuang Road, Yushan Town, Kunshan City, Jiangsu Province

2、 Model number of the antenna

Wireless_Round_A39 ShuangXianQuan

3、 Maximum gain of the antenna for the frequency band of operation

No gain.

4、 Antenna patterns 2D preferred.

Technical requirements:

- 1.1. "*" size is the key size, with "M" need to do OK size, "()" is the actual size, "Z" is the design change; No tolerance note refer to tolerance table;
2. Winding number: Outer 7.5/ Inner 18 Wire way: 0.06
3. Meet the 48H salt spray test/independent force test and other related reliability test, according to our internal.
4. HI-WI-QIC-014 reliability test standard implementation, all materials are in line with our company
5. HI-WI-QIC-008 Product Environmental substances prohibited management standard;
6. Foam packaging shipment;
7. The product packaging must be clean and tidy, and the packaging process is not allowed to cause dirt to the product;
8. This document is a trade secret, limited to designated individuals or organizations for use, without permission, shall not be disclosed to any third party;
9. The wireless coil assembly needs to meet the high and low temperature test: High temperature 80°C±2°C, Low temperature -40°C±2°C, 48h;
10. Crush coil diameter<1mm, single strand winding coils are not allowed to cross, fold line, coil are not allowed to have V/crush needle, Line dispersion ≤ single line diameter, the position of the play is not allowed to scatter, fork, deformation
11. No obvious compression injury/scratch and other bad coil area wrinkles shall not affect the total thickness of the module

Additional environmental requirements are as follows:

1. Brominated Flame Retardants: 900ppm
2. Chlorinated Flame Retardants: 900ppm
3. Prohibit the use of Polyvinyl Chloride (PVC)
4. Phthalates: 900ppm
5. antimony and antimony trioxide: 700ppm
6. Prohibit the use of cobalt chloride (mainly used in packaging materials)
7. PMS/Type: REACH Appendix II controlled substances (non-toxic parts in contact with skin)
8. PC material: EPOXY coating prohibited the use of BPA (Bisphenol A)
9. Ni release: 0.10g/cm²/week (parts in contact with skin: surface treatment and metal parts)

NUMBER	NAME AND TITLE	(P/N)	DESCRIPTION	DOSAGE
3	Inner coil	M001C5523NC0003	Wire 0.06*40P Inner:7.5mm Outer 26mm	1
2	Outer coil	M001C5523NC0002	Wire 0.06*32P Inner:32mm Outer 41.2mm	1
1	MnZn Ferrite	M001C5511N10002	PC95, Diameter 46mm, thickness 0.7mm	1

5、Antenna patterns 3D preferred.

