

Product acknowledgement

(SPECIFICATION)

Date/Date: January 10, 2023

编号/NUMBER: 205940-1

版本/VERSION: A1

Customer name

CUSTOMER:

Customer item

CUSTOMER P/N:

Shengtian number:

PART MODEL:HZ5940N-1.5M

Product name:

PRODUCTNAME :915MHz ANT 1.5M-RPSMA-J

晟天承认APPROVAL OF SUPPLIER		
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客户承认 APPROVE BY CUSTOMER

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Change resume

NO	version	Change date	Overview of change content	Reason for change
one	A1	2023.01.10	First issue	-----

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1、产品技术指标 (PRODUCT TECHNICAL SPECIFICATION)

电性能指标Electrical Specifications	
频率范围Frequency Range(MHz)	820--960MHZ 1710—2690MHZ
频带宽度Bandwidth(MHz)	140MHZ 980MHZ
输入阻抗Input Impedence(Q)	50
Voltage standing wave ratio V.S.W.R	≤2
Gain gain	1dBi @902~915MHz
极化形式Polarization Type	垂直Vertical
功率容量Power Capacity(w)	50
机械指标 Mechanical Specifications	
线缆长度 Antenna Length(mm)	1500 mm
Connector model Connect Type	RPSMA-J(Customize)
Shell color Radome Color	Black black
Antenna part weight ANT Weight(g)	(15) g (Without cable)

2、产品图片 (Product picture)



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3、机械性能 (MECHAICAL CHARACTERISTICS)

one	Swing test BENDING TEST	The load on the wire end 30CM away from the joint is 120g. After the joint is fixed, the remote swing test is carried out, and the remote swing angle is 60 degrees left and right, and the characteristics are tested after 1000 times. A load of 120g is placed on the end of the wire 30cm from the connector, the connector is fixed and then tested by remote pendulum, the angle of remote pendulum is 60 degrees on the left and right, the characteristics are tested after 1000 pendulums	There is no phenomenon in the test characteristics after 1000 times of remote pendulum, which shows the damage of electrical performance. After 1,000 remote pendulums the test characteristics show no signs of damage to the electrical performance.
2	Strength test STRENG TEST	15 pounds of static load is applied to the bottom of the pay-off end for one minute. 15 lbs static load applied to the bottom of the payoff end for one minute	No-phenomenon display machine Loss of mechanical and electrical performance Bad. No signs of damage to the mechanical or electrical properties.
three	Vibration test VIBRATION TEST	At a vibration frequency of 1.10mm and amplitude and 33.30Hz/sec Vibrate in the X axis direction for 120 minutes, and vibrate in the Y axis direction. 120 minutes, vibration in Z-axis direction for 240 minutes. 120 minutes of vibration in the X-axis, 120 minutes in the Y-axis and 240 minutes in the Z-axis at an amplitude of 1.10mm and a vibration frequency of 33.30Hz/sec	There is no sign that the performance of the electric device is damaged. There are no signs of damage to the electrical performance.

4、DURABILITY test (durability)

one	high-temperature test HEAT TEST	Put it at $85\pm 2^{\circ}\text{C}$ for 96 hours, and then put it in the normal ring. Test after 30 minutes in the environment. $85\pm 2^{\circ}\text{C}$ for 96 hours, after keep in normal condition for 30min the to test.	
three	Humidity test HUMIDITY TEST	Put it in 90-95% RH environment at $40\pm 2^{\circ}\text{C}$ for 96 hours, then put it in normal environment for 30 minutes, and then test $40\pm 2^{\circ}\text{C}$ 90-95%RH for 96 hours, after keep in normal condition for 30 min the to test.	All specification variation norms 30% of initial value All characteristic range is 30% of the initial value
three	cold test COLD TEST	Put it in the environment of $-40\pm 2^{\circ}\text{C}$ for 96 hours, and then put it back to normal. Test in the environment after 30 minutes- $40\pm 2^{\circ}\text{C}$ for 96 hours, after keep in normal condition for 30 min the to test.	

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5、 Test picture (test picture)

