

RHCP GPS+北斗双模天线 GPS+BD Dual Mode Antenna 1575.42&1561.098 MHz 110° 38dBi**电性能参数 Electrical Specifications**

频率 Frequency Range (MHz):	1575.42±5	1561.098±5
增益 Gain (dBi):	38±2	
驻波比 VSWR:	<2.0	
极化方式 Polarization:	右旋圆极化 RHCP	
水平 3dB 波宽 Horizontal 3dB Beamwidth (°):	110±10	
垂直 3dB 波宽 Vertical 3dB Beamwidth (°):	65	
圆极化轴比 Circularly Polarized Axial Ratio (dB):	<5	
直流供电电压 DC Supply Voltage (V):	5±0.5	
供电电流 Supply Current (mA):	<45	
前后比 Front to Back Ratio @180±30°(dB):	>10	
接头类型 Connector Type:	N 母头 Female	
天线正确安装后, 能搜索到 6 颗信号良好的卫星 After The Antenna Is Installed Iorrectly, Six Satellites With Good Signal Can Be Found		
带外抑制 Out-of-band Rejection (dB)	(1575.42+30)MHz>12	
	(1575.42+50)MHz>35	
	(1575.42+100)MHz>70	
	(1561.098-30)MHz>12	
	(1561.098-50)MHz>35	
	(1561.098-100)MHz>70	
大信号阻塞 Jam rejection of Large Signal	在偏离中心频率 100MHz 的频率上加 10dBm 大信号时, GPS+北斗双模天线带内增益变化小于 2dB; 在偏离中心频率 60MHz 的频率上加 0dBm 大信号时, GPS+北斗双模天线带内增益变化小于 2dB; 在偏离中心频率 50MHz 的频率上加-10dBm 大信号时, GPS+北斗双模天线带内增益变化小于 2dB。在以上情况下 GPS 接收机能正常工作。 The in band gain change of GPS + BD dual-mode antenna is less than 2dB when adding 10dBm large signal to the frequency of 100MHz off center frequency; less than 2dB of in band gain change of GPS + BD dual-mode antenna when adding 0dbm large signal to frequency of 60MHz off center frequency; and less than 2dB of in band gain change of GPS + BD dual-mode antenna when adding - 10dBm large signal at frequency of 50MHz off center frequency. Under the above conditions, the GPS receiver can work normally.	

LNA 电性能参数 Electrical Specifications

频率 Frequency Range (MHz):	1575.42 ±5	1561.098 ±5
增益 Gain (dBi):	34±2	
带内平坦度 In-band flatness	<1(1575.42±1.023MHz)	
	<2(1575.42±5MHz)	
	<2(1561.098±5MHz)	
噪声系数 Noise Figure(dB):	<2.7	
输入驻波比 Input VSWR:	<3.0	
输出驻波比 Output VSWR:	<2.5	
直流供电电压 DC Supply Voltage (V):	5±0.5	
供电电流 Supply Current (mA):	<45	
输出 1dB 压缩点 Output 1dB Compression Point:	>0dBm	
带外抑制 Out-of-band Rejection (dB)	(1575.42+30)MHz>12	
	(1575.42+50)MHz>35	
	(1575.42+100)MHz>70	
	(1561.098-30)MHz>12	
	(1561.098-50)MHz>35	

	(1561.098-100)MHz>70	
介质天线电性能参数 Dielectric Antenna Electrical Specifications		
频率 Frequency Range (MHz):	1575.42 ±5	1561.098 ±5
增益 Gain (dBi):	4	
驻波比 VSWR:	<1.5	
极化方式 Polarization:	右旋圆极化 RHCP	
中心频率 Center Frequency(MHz):	1575.42	1561.098
阻抗 Impedance (ohm):	50	

机械性能参数 Mechanical Data

天线尺寸 Antenna Dimensions (mm):	Φ95×103
毛重 Antenna Gross Weight (kg):	0.594
天线罩材料 Radome Material:	ASA
抱杆直径 Mounting Pole(mm):	40-80

环境性能 Environmental Ratings

工作湿度 Humidity:	5%-95%
工作温度 Temperature (°C):	-40~+75
最大风速 Max .Wind velocity(km/h):	200

