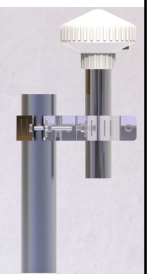


Frequency(MHz)	1164~1217/1559~1610.5
Gain (dB)	43±3
3dB Beam Width (°)	100±10

GPS/Galileo/GLONASS/BeiDou/QZSS/NavIC Antenna

Type No.	BLRANG0000M001		
Electrical Index		LNA Electrical Index	
Frequency (MHz)	1164~1217/1559~1610.5 GPS (L1, L5) Galileo (E1, E5) GLONASS (G1) BeiDou (B1, B2) QZSS (L1, L5) NavIC (L5)	Frequency (MHz)	1164~1217/1559~1610.5 GPS (L1, L5) Galileo (E1, E5) GLONASS (G1) BeiDou (B1, B2) QZSS (L1, L5) NavIC (L5)
Gain (dB)	43±3	Gain (dB)	40±3
Output VSWR (dB)	≤2.5	Passband Ripple (dB)	< 2(1164~1217MHz) < 2(1559~1610.5MHz)
Polarization	R.H.C.P		
3dB Beam Width (°)	100±10	output 1dB compression point (dBm)	> 0
Front To Back Ratio (dB)	≥ 10	ESD protection circuit	15KV
output 1dB compression point (dBm)	≥0	Noise Figure (dB)	≤2.0
Out of Band Rejection (dBc)	1166-1218MHz 70≥100MHz-960MHz 50≥960MHz-1115MHz 50≥1270MHz-3GHz 1559-1606MHz 70≥100MHz-960MHz 50≥960MHz-1115MHz 50≥1270MHz-3GHz	Input VSWR (dB)	≤1.8:1
		Dielectric antenna Electrical Index	
		Frequency (MHz)	1164~1217/1559~1610.5
		Gain (dBi)	3
Output Impedance (Ω)	50	Output VSWR (dB)	≤1.5
Supply voltage range(V)	2.7~3.3	Polarization	R.H.C.P
Current (mA)	< 45	Output Impedance (Ω)	50
Other Index			
Connector	1xN-F	Dimensions (mm)	Ø97.5±1×84±1
Operating temperature (°C)	-40 ~ +80	Weight (g)	≈700
Humidity (%)	5 ~ 96	Radome Color	white
Environment	Outdoor natural environment, degree of protection IP67		
Lightning protection included	5KA, 8/20us		
MTBF	Mean time between failures is greater than 100,000 hours		



Basic requirements:

- 1.** Open the packing box, take the antenna, mounting pipe and mounting accessories (clip concrete, splint, hoop, nut, washer and bolt).
- 2.** Mounting as shown in the figure: first, unscrewing the mounting pipe from the antenna. Pass the connector through the mounting pipe, ensure the thread end toward the antenna. Tighten the N-F connector with the cable joint. Tighten the mounting pipe with antenna. And fix the antenna on the holding pole with bolt.
- 3.** Tighten all the nuts.
- 4.** Fix the cables on the holding pole with cable ties.
- 5.** Mounting is complete.

Announcements:

1. There must be professionals on site to guide and experienced qualified person to work.
2. Notice the work safety, avoid of wet, rainy, windy weather and high voltage wires.
3. All the fastening pieces should be tightened after adjust the antenna system qualification.

