

Antenna Specifications	
Frequency Range (GPS, SBAS, GLONASS, GaLileo, BeiDou, QZSS, IRNSS)	L1: 1575.42 ± 1.023 MHz L5: 1176 ± 10 MHz L2C: 1227.6 ± 1.023 MHz B1: 1561.098 ± 2.046 MHz B2: 1176 ± 10 MHz B2I: 1207.140 ± 2.046 MHz G1: 1602MHz
VSWR	< 1.5
Antenna Impedance	$50 \pm 5 \Omega$
Antenna Efficiency	$\geq 60\%$
Polarization	Right-hand circular polarization
Horizontal Coverage Angle	360°
AR	B2, L5: ≤ 3 dB (within $\pm 30^\circ$) , ≤ 2 dB@zenith L1, L2C, B1, B2I: ≤ 3 dB (within $\pm 30^\circ$) , ≤ 2 dB@zenith
Gain	L1: 2dBi@max,-1.3dB@30deg(average), worst value>-1.6dB L2: 2dBi@max,-0.5dB@30deg(average), worst value>-2dB L5: 1.5dBi@max, -3dB@30deg(average), worst value>-4dB B1: 2dBi@max,-1.7dB@30deg(average), worst value>-2dB B2: 1.5dBi@max,-1dB@30deg(average), worst value>-2.5dB
Phase Center Error	± 2 mm
Electrical Specifications	
Out-of-band Suppression	± 50 MHZ or above ≥ 40 db
LNA Operating Voltage	3V ~ 18V
LNA Operating Current	≤ 55 mA
LNA Gain	(30 ± 3) dB
LNA VSWR	VSWR<2
LNA Impedance	$(50 \pm 5) \Omega$
LNA Noise figure	≤ 2 dB
LNA Out-of-band Attenuation	> 50 dB($\Delta f = \pm 50$ MHz, GPS/BD ± 50 MHz)
LNA INPUT 1dB Compression Point Power	≥ -20 dBm
LNA In-band Flatness	± 2 dB
Anti-static	± 8 KV
Structural Characteristics	
Connector Type	MMCX bent male to custom SMA female
Antenna Size	58.5*28mm
Weight	12.5g

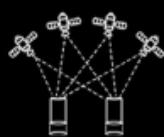
Working Environment

Operating Temperature

-40°C--85°C



Accurate Directivity



Multi-star Reception



Anti-out-of-band Interference



Anti-in-band Interference

Anti-in-band Interference

Ultra-low noise coefficient, high linearity LNA, and wide dynamic range make the Radiolink RTK Rover achieve strong anti-same-frequency interference ability.



Use as a Rover



[More details about the RTK receiver RTK F9P](#)