

Antenna Specifications	
Frequency Range (GPS, SBAS, GLONASS, GaLileo, BeiDou, QZSS, IRNSS)	L1: 1575.42±1.023MHz L5: 1176±10MHz L2C: 1227.6±1.023 MHz B1: 1561.098±2.046 MHz B2: 1176±10MHz B2I: 1207.140±2.046MHz G1: 1602MHz
VSWR	< 1.5
Antenna Impedance	50±5Ω
Antenna Efficiency	≥60%
Polarization	Right-hand circular polarization
Horizontal Coverage Angle	360°
AR	B2, L5: ≤3dB (within ±30°) , ≤2dB@zenith L1, L2C, B1, B2I: ≤3dB (within ±30°) , ≤2dB@zenith
Gain	L1: 2dBi@max,-1.3dBi@30deg(average), worst value>-1.6dB L2: 2dBi@max,-0.5dBi@30deg(average), worst value>-2dB L5: 1.5dBi@max, -3dBi@30deg(average), worst value>-4dB B1: 2dBi@max,-1.7dBi@30deg(average), worst value>-2dB B2: 1.5dBi@max,-1dBi@30deg(average), worst value>-2.5dB
Phase Center Error	±2mm
Electrical Specifications	
Out-of-band Suppression	±50MHZ or above≥40db
LNA Operating Voltage	3V ~ 18V
LNA Operating Current	≤55mA
LNA Gain	(30±3)dB
LNA VSWR	VSWR<2
LNA Impedance	(50±5)Ω
LNA Noise figure	≤2dB
LNA Out-of-band Attenuation	> 50dB(Δf=±50MHz, GPS/BD±50MHz)
LNA INPUT 1dB Compression Point Power	≥-20dBm
LNA In-band Flatness	±2dB
Anti-static	± 8 K V
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
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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](#)