

SLGAT45101CP

Choke Ring GNSS Antenna



Data Specifications

PERFORMANCE

Signal Tracking

GPS (L1C/A, L1C, L2C, L2P, L5)
GLONASS (L1C/A, L2C/A, L2P, L3, L5)
BeiDou(B1, B2, B3)
Galileo (E1, E5 AltBOC, E5A, E5B, E6)
IRNSS (L5)
QZSS (L1C/A, L1C, L1 SAIF, L1S3, L2C, L5, L6)
SBAS: WAAS, EGNOS, GAGAN, MSAS, L1C/A, L5
L-band

Polarization Type

Right-handed circular polarization (RHCP)

Antenna Axis Ratio

<2dB (stow position)

Elevation Coverage

360°

The Repeatability of Phase Center

≤1mm ; ≤±1mm

The Largest Gain of Patch Antenna

≥7dBi

LNA Gain

45dB±3dB

Noise Figure

≤2.5dB

Differential Propagation Delay

≤5ns

Nominal Impedance

50Ω

Output Port VSWR

≤2.0

Pass-band Ripple

±1.5dB

OPERATING FREQUENCY RANGE

Lower Band

1160Mhz - 1300 Mhz

Upper Band

1541 Mhz - 1621 Mhz

POWER

Working Voltage

3.0 - 16VDC

Power Consumption

≤45mA

GENERAL

Environmental

Up to IP67 standard

Temperature -45°C to 85°C Operating

-55°C to 85°C Storage

95% Humidity

Physical Properties

Dimension: 377mm x 271mm

Weight: 5000g



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