



ANT/GNSS
combined antenna

Vertical Polarization
RHCP

400~6000MHz
GPS/BDS/GLONASS/GALILEO

5124-0340 type Technical parameters of combined antenna

Technical parameters of ANT

Freq. Range-MHz	400~470 825~960 1710~2700 5700~5900
Gain-dBi	≥3@400~470MHz; ≥4@825~960MHz; ≥6@1710~2170MHz; ≥8@2400~2700MHz; ≥8.5@5700~5900MHz
Hor. Beamwidth-°	360
VSWR	≤2 @400~470MHz ; ≤1.5 @825~960MHz; ≤1.5 @1710~2700MHz; ≤1.5 @5700~5900MHz
Impedance-Ω	50
Polarization	Vertical

Technical parameters of GNSS

Freq. Range-MHz	GPS:L1/L2/L5/L-Band DBS:B1/B2/B3 GLONASS:L1/L2; GALILEO:E1/E2/E5a/E5b
Impedance-Ω	50
Polarization	RHCP
Gain-dBi	Normal gain≥5 Elevation 20° ≥-4.5
Aspect ratio -dB	≤2
The ratio of polarization gain before and after -dB	≥20
Elevation20° Non-circularity-dB	±2
Phase center -mm	±2

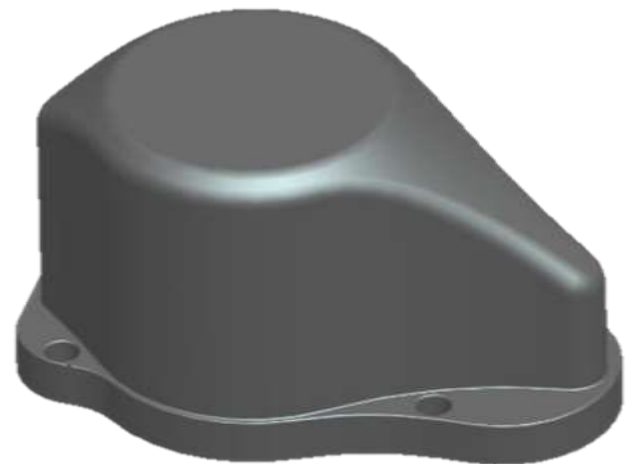
Low Noise Amplifier specifications

Gain-dBi	50±2
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Noise Figure -dB	≤1.5
VSWR	≤1.5
Out of band rejection -dB	≥30@fL-50MHz ≥30@fH+50MHz ≥50@fL-100MHz ≥50@fH+100MHz
band flatness -dB	±2
1dB Compression Point -dBm	≥0
Differential delay -ns	≤5
operating voltage -V	DC3.3~DC12
Operating Current -mA	≤60

Structural characteristic

Antenna Size (L×W×H)-mm	260×150×110
Radome color	Gray
Connector	N Female
Operating temperature -°C	-40~85
Storage temperature -°C	-55~85
Ingres ssprotection	IP66
Installation method	bolt fixation



Note: 1.The picture is for reference only, please kindly consult with the real product.

2. The electrical performance parameters in the table are for the antenna placed on a φ1m metal reflector.。

Warning! Do not disassemble the product on your own; doing so will void the warranty!

WZ-47, BASEMENT, BUDDHELLA VILAGE VIKAS PURI NEW DELHI - 110018

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5124-0340-01 type Technical parameters of combined antenna

Technical parameters of ANT

Freq. Range-MHz	400~470 825~960 1710~2700 5700~5900
Gain-dBi	≥3@400~470MHz; ≥4@825~960MHz; ≥6@1710~2170MHz; ≥8@2400~2700MHz; ≥8.5@5700~5900MHz
Hor. Beamwidth-°	360
VSWR	≤2 @400~470MHz ; ≤1.5 @825~960MHz ; ≤1.5 @1710~2700MHz ; ≤1.5 @5700~5900MHz
Impedance-Ω	50
Polarization	Vertical

Technical parameters of GNSS

Freq. Range-MHz	GPS:L1/L2/L5/L-Band DBS:B1/B2/B3 GLONASS:L1/L2;
Impedance-Ω	50
Polarization	RHCP
Gain-dBi	Normal gain≥5 Elevation 20° ≥-4.5
Aspect ratio -dB	≤2
The ratio of polarization gain before and after -dB	≥20
Elevation20°	±2
Non-circularity-dB	±2
Phase center -mm	±2

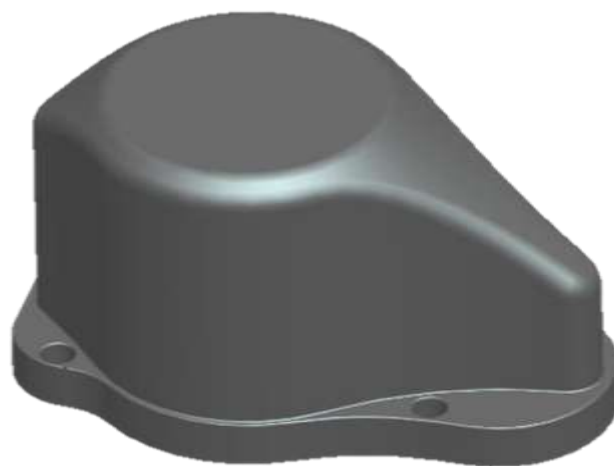
Low Noise Amplifier specifications

Gain-dBi	36±2
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Noise Figure -dB	≤1.5
VSWR	≤1.5
Out of band rejection -dB	≥30@fL-50MHz ≥30@fH+50MHz ≥50@fL-100MHz ≥50@fH+100MHz
band flatness -dB	±2
1dB Compression Point -dBm	≥0
Differential delay -ns	≤5
operating voltage -V	DC3.3~DC12
Operating Current -mA	≤60

Structural characteristic

Antenna Size (L×W×H)-mm	260×150×110
Radome color	Gray
Connector	N Female
Operating temperature -°C	-40~85
Storage temperature -°C	-55~85
Lngre ssprotection	IP66
Installation method	bolt fixation



Note: 1.The picture is for reference only, please kindly consult with the real product.

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Vertical Polarization
RHCP

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GPS/BDS/GLONASS/GALILEO

5124-0340-02 type Technical parameters of combined antenna

Technical parameters of ANT

Freq. Range-MHz	400~470 825~960 1710~2700 5700~5900
Gain-dBi	≥3@400~470MHz; ≥4@825~960MHz; ≥6@1710~2170MHz; ≥8@2400~2700MHz; ≥8.5@5700~5900MHz
Hor. Beamwidth-°	360
VSWR	≤2 @400~470MHz ; ≤1.5 @825~960MHz; ≤1.5 @1710~2700MHz; ≤1.5 @5700~5900MHz
Impedance-Ω	50
Polarization	Vertical

Out of band rejection -dB	≥30@fL-50MHz ≥30@fH+50MHz ≥50@fL-100MHz ≥50@fH+100MHz
band flatness -dB	±2
1dB Compression Point -dBm	≥0
Differential delay -ns	≤5
operating voltage -V	DC3.3~DC12
Operating Current -mA	≤60

Structural characteristic

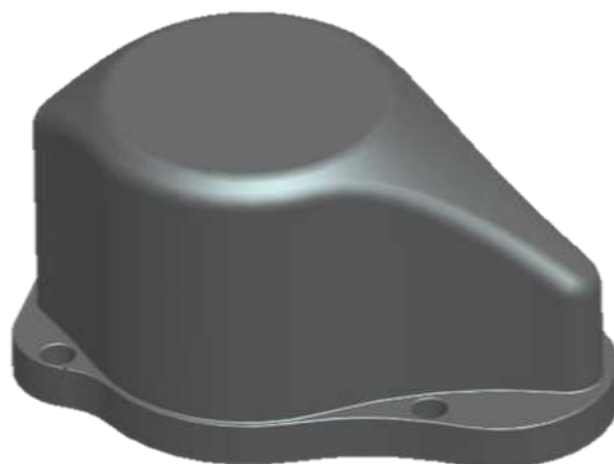
Antenna Size (L×W×H)-mm	260×150×110
Radome color	Gray
Connector	N Female
Operating temperature -°C	-40~85
Storage temperature -°C	-55~85
Lngre ssprotection	IP66
Installation method	bolt fixation

Technical parameters of GNSS

Freq. Range-MHz	GPS:L1/L2 DBS:B1/B2/B3
Impedance-Ω	50
Polarization	RHCP
Gain-dBi -dBi	Normal gain≥5 Elevation 20° ≥-4.5
Aspect ratio -dB	≤2
The ratio of polarization gain before and after -dB	≥20
Elevation 20° Non-circularity-dB	±2
Phase center -mm	±2

Low Noise Amplifier specifications

Gain-dBi -dB	36±2
Noise Figure -dB	≤1.5
VSWR	≤1.5



Note: 1.The picture is for reference only, please kindly consult with the real product.

2. The electrical performance parameters in the table are for the antenna placed on a φ1m metal reflector.。

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