

Data Sheet

Rosenberger**GPSGlonass Active Antenna****GPSGlonass-36-N-GA****Main Features**

Active GPSGlonass antenna for timing and synchronization
 Immunity to noise and interference
 With lightning protection
 High reliability in severe environments
 Mounting bracket included for wall and pole installation

**ANTENNA PART**

Frequency Range	1559 - 1610.5 MHz
Antenna gain at zenith	2.5 dBi
Horizontal beam width	360 °
Vertical beam width	105 °
Polarization	R.H.C.P
Output Impedance	50 Ω

LNA PART

Frequency Range	1559 - 1610.5 MHz
Gain	34 ± 2 dB
Group delay ripple	± 10 ns
Noise Figure	≤ 3.0 dB (-40 ° ~ +55 °)
Output Impedance	50 Ω
Output VSWR	≤ 1.8
Input P _{1dB}	> 25 dBm @ 0.001 - 0.496 GHz > 20 dBm @ 0.496 - 0.96 GHz > 14 dBm @ 0.960 - 1.525 GHz > -30 dBm @ 1.525 - 1.785 GHz > 12 dBm @ >1.785 GHz
Out of band rejection	> 70 dB @ 1 - 960 MHz > 60 dB @ 960 - 1525 MHz > 14 dB @ 1695 - 1785 MHz > 58 dB @ > 1785 MHz
DC Voltage	5 V ± 1 V
Abnormal voltages (non-destruction)	-32 V to +4 V; +6 V to +32 V
Operating Current	10 ~ 35 mA @DC - 50MHz
Inrush Current	≤ 30uF @DC - 50MHz
Lightning protection included	5 KA, 10/350 us 20 KA, 8/20 us
EMC Compliance	ETSI-EN 301 489 -1 V1.9.2(2011-09)

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Rosenberger**GPSGlonass Active Antenna****GPSGlonass-36-N-GA****OVERALL PERFORMANCE (Antenna Element, LNA, Cable & Connector)**

Frequency Range	1559 - 1610.5 MHz
Gain	36 ± 4 dBi
Output Impedance	50 Ω
VSWR	≤1.8

Environmental Specifications

Ingress protection	IP67
Operating temperature	-40°C to +55°C
Storage temperature	-40°C to +70°C
Transport temperature	-40°C to +70°C
Relative humidity	5 ~ 100%
Application	Outdoor
RoHS 2011/65/EU	Compliant
China RoHS	Compliant
Meets Ericsson requirements	1056-KRE 101 2395 Uen Rev B

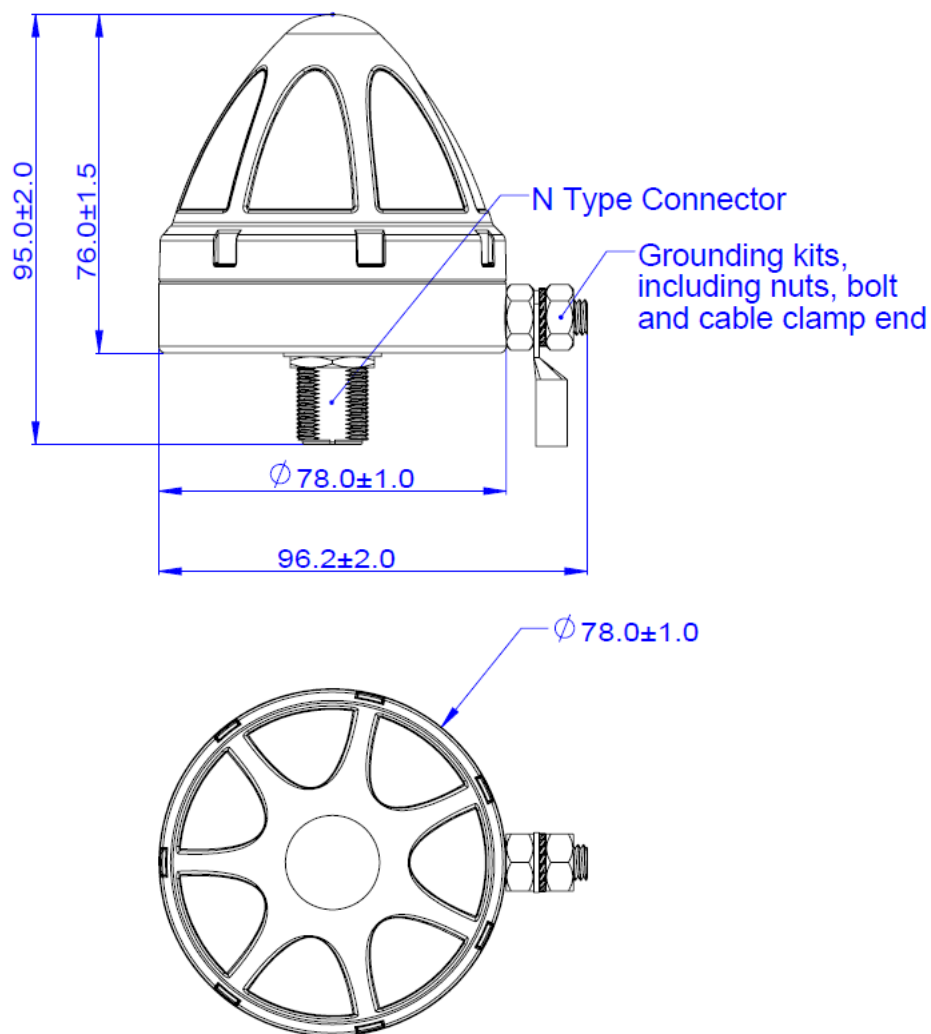
Mechanical Specifications

Connector	N-Female
Dimension	Φ 78 mm × H95 mm
Weight (antenna without accessories)	≤ 320 g

Packing List

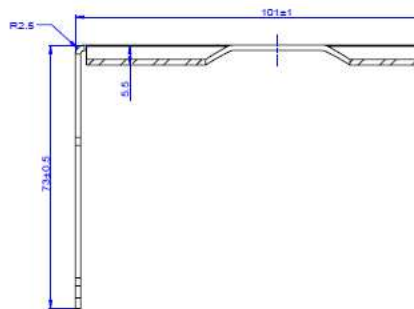
Antenna (with grounding kits)	1 pcs
Bracket	1 pcs
Mounting screw	4 pcs (2.1g /pcs)
Hose Clamp	2 pcs (40g /pcs)
Expansion bolt	4 pcs (33.2g /pcs)
Datasheet	1 pcs
Installation Manual	1 pcs

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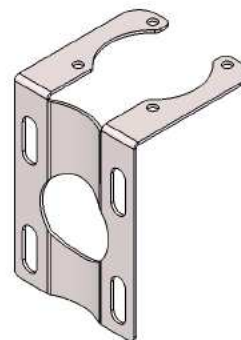
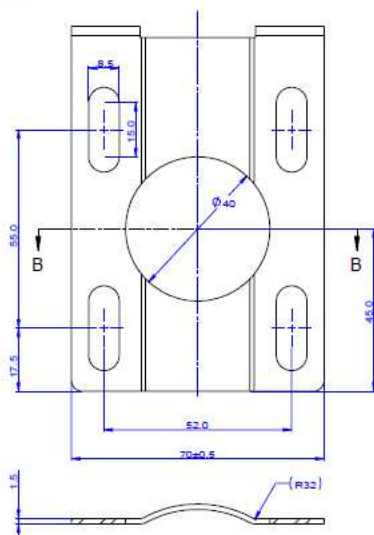
Rosenberger**GPSGlonass Active Antenna****GPSGlonass-36-N-GA****Antenna Drawing**

GPSGlonass-36-N-GA

Technical drawing of a plate with a 4x4 grid of holes. The plate has a width of 243 and a height of 437.62. The holes are arranged in a 4x4 grid with a pitch of 50. The drawing shows the top and front views of the plate. The top view shows the 4x4 grid of holes with a pitch of 50. The front view shows the plate with a width of 243 and a height of 437.62. The holes are arranged in a 4x4 grid with a pitch of 50. The drawing includes dimension lines and labels for the pitch, width, height, and hole size.



SECTION A-A
SCALE 1.5 : 1



Draft	Date	Checker	Approved	Date	Rev.	Engineering change number	Name	Date
YK. W	31/10/17	YH. B	J.X	05/10/17	0.1	Initial	J.X	31/10/17
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