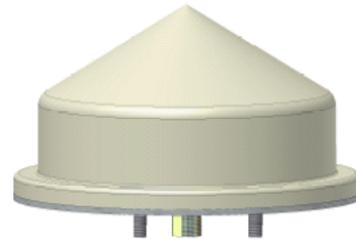


MA-AGNSS-28

Preliminary

Active GPS & GLONASS Antenna



Specifications

Electrical

Frequency Range	1570-1610 MHz
Gain Characteristics of Antenna Element	+5.0 dBic minimum at zenith -10 dBic minimum at 0 elevation
Polarization	Right Hand Circular
3 dB Beam-Width, H-Plane, typ.	360°
3 dB Beam-Width, E-Plane, typ.	±40°
LNA Gain, typ.	28 dB ± 3 dB
Noise Figure, typ.	< 3.3 dB (at 25°C)
Filtering, typ.	
<1550 MHz	35 dB
>1650 MHz	40 dB
Output Impedance	50 Ohm
VSWR	2.0 : 1
Power Supply through RF Cable, typ.	3-5 VDC@6-8 mA

Mechanical

Dimensions (ØxH)	170 X 100 mm
Weight	500 gr.
Connector	N-Type, Female
Mount	MNT-23
Radome	UV Protected Polycarbonate
Water proofing	IP-67

Environmental

Operating Temperature Range	-40°C to +70°C
Dynamics	Vibration: ETSI EN 300-19-2-4
Humidity	ETSI EN 300-19-2-4
Immersion Test	EN 60529-IP67
UV Radiation	ASTM G-154-4
Immunity to electrostatic discharge	ETSI IEC 61000-4-2
Conducted immunity to voltage surges	ETSI IEC 61000-4-5

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