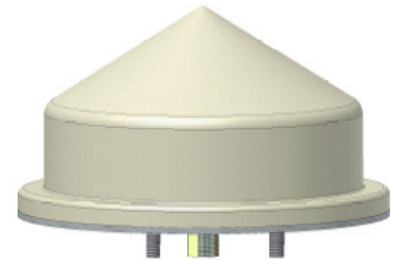


## MA-AGP15-5

### Active GPS Antenna

MARS Active GPS Antenna features stable and efficient performance. Antenna is small and has an aesthetic design. Custom designs are available upon request.



### Specifications

#### **Electrical**

Frequency range	1575.42±2 MHz
1 dB points Bandwidth, typ.	15 MHz
Gain Characteristics of Antenna Element	+5.0 dBic minimum at zenith -10 dBic minimum at 0° elevation
VSWR, typ.	2 : 1 @ 1575.42
Polarization	Right Hand Circular
3 dB Beam-Width, H-Plane, typ.	360°
3 dB Beam-Width, E-Plane, typ.	±40°
Filtering, typ.	40 dB @ ± 50 MHz
LNA Gain, typ.	35 dB
Noise Figure, typ.	2.8 dB
Output Impedance	50 Ohm
Power Supply through RF Cable, typ.	(3-5) VDC @ (20-30) mA

#### **Mechanical**

Dimensions (ØxH)	170 X 100 mm (6.7" x 3.93")
Weight	500 gr.
Connector	N-Type Female
Mount	MNT-23
Radome	UV Protected Polycarbonate

#### **Environmental**

Operating Temperature	-40°C to +85°C
Dynamics	Vibration: ETSI EN 300-19-2-4
Humidity	ETSI EN 300-19-2-4
Water Proofing	IP-67
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

MARS Antennas & RF Systems proprietary information

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