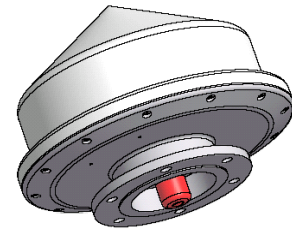


MA-GP15-2

1575 MHz L1 GPS Antenna

MARS L1 Active GPS Antenna features stable and efficient performance. Antenna is small and has an aesthetic design.

- Suitable for sea and hard environmental conditions.
- High Rejection Antenna.



Specifications

Electrical

Frequency range	1575.42 ± 2 MHz
GAIN Characteristics of Antenna	+2.0 dBiC minimum at Zenith
Element	-10 dBiC minimum at 0° elevation
VSWR, max.	1.5 : 1 @ 1575.42
Polarization	Right Hand Circular
3 dB Beam-Width, Azimuth Plane, typ.	360°
3 dB Beam-Width, Elevation Plane, typ.	80°
Filter (Customer)	60 dB DC-1400 MHz/1850-3800 MHz
LNA Gain, typ. (Customer)	35 dB
Axial Ratio	4dB
Noise Figure, typ.	< 1.7 dB
Output Impedance	50 Ohm
Power Supply through RF Cable, typ.	6 - 18VDC; 250 mA

Mechanical

Dimensions (Q x H)	175 X 132 mm
Weight	1 Kg.
Connector	N-Type Female
Mount	MNT-22
Radome	UV Protected Polycarbonate

Environmental

Operating Temperature Range	-30°C ÷ +55°C
Non Operating Temperature.	-30°C ÷ +70°C
Humidity	95% at 35°C MIL 810F, Method 507.4
Salt Fog	MIL 810F, Method 509.4
Splash proof°	MIL 810F
Rain	MIL 810F, Method 506.4, and IP67
Transp. & Oper. Vibration	MIL 810F, Method 514.5, Cat (4),10

MARS Antennas & RF Systems proprietary information

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