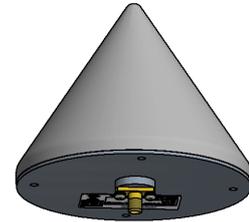


## MA-AGPSGL-28C

### Active L1L2G1G2 Antenna

MARS Active GPS L1L2 and GLONASS G1G2 Antenna features stable and efficient performance. Antenna is small and has an aesthetic design. Custom designs are available upon request.



### Specifications

#### Electrical

Frequency range	1215-1254 & 1563-1610 MHz
<u>Antenna Element:</u>	
Polarization	Right Hand Circular
Gain, typ.	4 dBic
Beam width (3dB), typ.	100°
Axial ratio, typ.	3 dB
Impedance	50 Ohm
<u>LNA:</u>	
Gain, typ.	28 dB
Noise Figure, typ.	2.5 dB
OP1dB Compression, typ.	15 dBm
OIP3, typ.	20 dBm
Rejection (Frequency < 0.96GHz & >1.8GHz)	> 40 dB
VSWR, typ.	2 : 1
Output Impedance	50 Ohm
Power Supply through RF Cable	5-28 VDC @ 30 mA (typ.)
Lighting Protection	DC grounded
LNA Protection	Limiter, TVS

#### Mechanical

Dimensions (ØxH)	94*75 mm
Weight, typ.	150 gr.
Connector	SMA, Female
Base	Aluminum Protected through chemical passivation
Mount	4 holes M4x3.5
Radome	UV Plastic Protected

#### Environmental

Operating Temperature	-40°C to +85°C
Vibration	ETSI EN 300-19-2-4
Flammability	UL-94
Humidity	ETSI EN 300-19-2-4
Water Proofing	IP-67

MARS Antennas & RF Systems proprietary information

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