

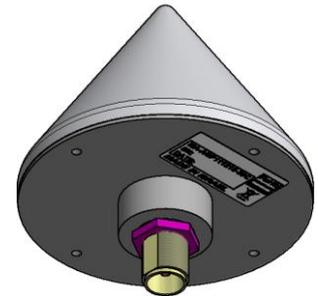
MA-AGP11215-30C **Preliminary**

Active GPS L1 L2 L5 Antenna

MARS Active GPS L1 (and G1), L2, and L5.

The Antenna features stable and efficient performance. The antenna is small and has an aesthetic design.

Custom designs are available on request.



Specifications

Electrical	
Frequency range	1560-1610MHz (L1, G1) & 1170-1260MHz (L2, L5)MHz
<u>Antenna Element:</u>	
Polarization	Right Hand Circular (RHCP)
cGain, typ	3-6 dBic
Beam width (3dB), typ.	90-100°
Axial ratio, typ.	2-4 dB
Impedance	50 Ohm
<u>LNA:</u>	
Gain, typ.	25 dB
Noise Figure, typ.	3 dB
Rejection, typ. Frequency 1210 ± 60 MHz	30 dB
Rejection, typ. Frequency 1585 ± 60 MHz	30 dB
VSWR, typ.	2 : 1
Output Impedance	50 Ohm
Power Supply through RF Cable	3.6-5 VDC @ 25 mA (typ.)
Lighting Protection	DC grounded
LNA Protection	TVS

Mechanical	
Dimensions (ØxH)	94*75 mm
Weight, typ.	300 gr.
Connector	N-type, Female (TBD)
Base	Aluminum Protected through chemical passivation
Mount	4 holes M4x3.5
Radome	UV Plastic Protected

Environmental	
Operating Temperature	-30°C to +60°C
Water Proofing	IP-67

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