

MA-AGP1115-26C

Preliminary

Active GPS L1 L5 Antenna

MARS Active GPS L1 and L5 Antenna features stable and efficient performance. Antenna is small and has an esthetic design. Custom designs are available upon request.



Specifications

Electrical

Frequency range	1164-1189 & 1563-1587 MHz
Antenna Element:	
Polarization	Right Hand Circular (RHCP)
Gain, typ.	3 dBic
Beam width (3dB), typ.	100°
Axial ratio, typ.	4 dB
Impedance	50 Ohm
LNA:	
Gain, typ.	35 dB
Noise Figure, typ.	3 dB
Rejection, typ. Frequency 1176.4 ± 50 MHz	40 dB
Rejection, typ. Frequency 1575.4 ± 50 MHz	40 dB
VSWR, typ.	2 : 1
Output Impedance	50 Ohm
Power Supply through RF Cable	3-5 VDC @ 30 mA (typ.)
Lighting Protection	DC grounded
LNA Protection	TVS

Mechanical

Dimensions (ØxH)	94*75 mm
Weight, typ.	250 gr.
Connector	N-type, Female
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

MARS Antennas & RF Systems proprietary information

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