

MA-EG15-XX

GPS AVL Active Antenna

MARS GPS Active Antenna is exceptionally small sized and offers extremely wide coverage at low angles.

Additional Features:

- Reliable and stable performance.
- Dashboard or under dashboard mounting.
- Cable length with SMA connector option.
- Resists unfriendly environments.
- Built-in low noise amplifier.

Application:

- AVL, Automatic vehicular and asset location systems.
- GPS, time and location systems.

Cost effective solution for high volume deployment.



Specifications

Electrical

Frequency range	1575±1.24 MHz
GAIN, min.	27 dBi
Axial Ratio	3 dB
VSWR, max.	2 : 1
Polarization	Circular, RHCP
3 dB Beam-Width, H-Plane, typ.	Omni Directional
3 dB Beam-Width, E-Plane, typ.	150°
Noise Figure (Amp)	1.6 dB
Input power, max	30 mA / 3 V
Intercept Point	+10 dBm
Input Impedance	50 Ohm

Mechanical

Dimensions (HxWxD)	40 x 45 x 15 mm (1.6" x 1.8" x 0.6")
Weight	60 gr.
Connector	SMB, Female on a 1.8m RG 174 Cable / SMA, Female(optional)
Radome	ABS

Environmental

Operating Temperature Range	-30°C to +60°C
Storage Temperature Range	-40°C to +70°C

Ordering Options

Mount Type	Replace X with
Magnetic	M
Glue	G
Fixed Mount	F
SMA, Female	A

Patterns are available on our website

MARS Antennas & RF Systems proprietary information

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