

MA-8GPA1215-36

L1 & L2 Dual Band Active GPS Antenna

MARS Dual Band L1, L2 Active GPS Antenna features stable and efficient performance.



Specifications

Electrical

Frequency range	L2	1227.6±12 MHz
	L1	1575.42±12 MHz
Gain Passive Element	L1	3 dBi
	L2	3 dBi
Gain, typ.	L2	30 ± 2 dB
	L1	30 ± 2 dB
VSWR out, typ.	L2	2 : 1
	L1	2 : 1
Number of channels		8
Polarization	L2&L1	RHCP
Axial Ratio (Zénith), typ.	L2	4 dB
	L1	3 dB
Rejection, dB Frequency 1227.6 ± 50 MHz		50 dB
Rejection, dB Frequency 1575.4 ± 50 MHz		50 dB
IP1 dB Compression, dBm		-20 dBm
Output IP3, dBm		26 dBm
Noise Figure, dB		3.7 dB
Isolation between 2 elements, typ.	L2	-25 dB
	L1	-20 dB
Power Supply		6-12VDC @ 1.2A
Lightning Protection		DC Grounded
Input Impedance		50 Ohm
Self-Testing		BIT

Mechanical

Dimensions (Ø x H)	184 x 25.4 mm (7.2"x1")
Connector	9 x SMA (8 channels @ BIT)
Weight, max.	1080 gr.
Back Plane	Aluminum
Radome	UV Plastic Protected
Mounting	Customer Requirements holes

Environmental

Operating Temperature Range	40°C to 65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 Km/h
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1 4, EN 302 085(Annex A, 1.1)
Salt Fog	According to IEC 68-2-11

MARS Antennas & RF Systems proprietary information

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