

MR-RRA30-1

MARS GPS Re-Radiating System

MARS GPS Re-Radiating System is repeater kit to provide wireless indoor good GPS signal. This kit consists of three main components: outdoor active antenna, re-radiating amplifier (repeater) and indoor antenna.

MARS GPS System provides a cost effective solution for enhancing GPS communication in showrooms, car parks, trains, buses, GPS service centers etc.

System components feature small size and are easy to install.

Additional features:

- High rejection
- DC feeder for outdoor GPS antenna
- Special Mount
- Cable lengths are available on request



Specifications

Electrical

	Active GPS Antenna MA-GP15-3 (outdoor)	Re-Radiating Amplifier MR-RRA30	GPS Antenna MA-EG15-2P (indoor)
Frequency range, MHz	1575.42 ± 2.0 MHz		
Impedance, Ohm	50	50	50
VSWR	2 : 1	2 : 1	2 : 1
Polarization	RHCP	---	RHCP
Gain of Antenna Element @ Zenith, dBic	2.0 min (-10 min at 0° elevation)	---	2.0 min
Gain, dB	25 (Ampl.)	35	---
Filtering, dB	---	40 @ ± 50MHz	---
Noise Figure, dB	1.6 (Ampl.)	1.0	---
Output Power @ 1dB compress., dBm	---	20	---
Output IP3, dBm	---	32	---
Adjustable Gain, dB	---	30	---
Power Supply, V/mA (220 VAC/ DC adapter included)	5 VDC @ 30 mA (thru RF cable)	(6-12) VDC @ 150 mA	---

Mechanical

Dimensions, mm	170 mm (diameter); 100 mm (height)	80 x 70 x 35 mm	40 x 45 x 15 mm
Weight, gr.	500 gr.	150 gr.	60 gr.
Connectors	N-type, Female	SMA, Female	SMA, Male

Environmental

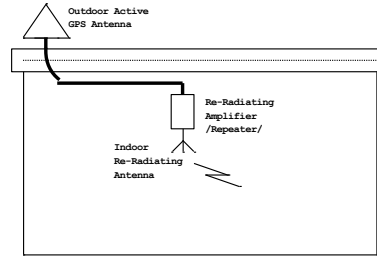
Operating Temperature	-30°C to +50°C	-10°C to +50°C	-10°C to +50°C
Storage Temperature	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C

Mars Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

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