

WPANTDP009-R3A

GPS L1 Band Active Module



Description / Application

This is a waterproof magnetic mount antenna that is ideal for automotive amplified GPS applications. This sleek design is an efficient active GPS antenna that only uses 15mA with a supply voltage ranging between 3 and 5 volts.

We can assist your engineers to optimize mounting positions for these antennas in your applications and can further customize the antennas for your specific needs. Please contact sales@worldproducts.com with your specific application requirements.

Electrical Properties

Operating Frequency	1567 – 1583 MHz
Approximate Antenna Impedance [Ω]	50 Ω
VSWR – Typical	< 2:1
LNA Gain [dBi] (Typical)	24 dBi
Active Antenna Peak Gain [dBi]	27 dBi @ Zenith
Noise Figure (dB) (Typical)	1.5 dB
Voltage [V] (Typical)	3.0 – 5.0 V
Axial Ratio (dB)	3.0 dB
Polarization	RHCP

Mechanical / Environmental Properties

Antenna Dimensions (L x W x H)	1.82" x 1.51" x 0.54" (46.3mm x 38.3mm x 13.8mm)
Antenna Color	Black
Material	ABS Plastic
Cable	5 meter long RG-174
Connector	Straight MCX plug
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0 This antenna is built in accordance with: IP 67
Hazardous Materials	RoHS Compliant

Pictures of the Antenna



Cable is terminated by MCX connector.