



Product Datasheet

Part Code: 10-230-001-01

WLAN / 3G / GPS Antenna

Screw Mount GPS/GSM/Wi-Fi Combination Antenna

Key Features

- Single antenna provides cellular / WLAN + GPS for tracking
- IP67 rated
- High impact ABS plastic for long-life / durability
- Low profile - To reduce guage increase considerations
- Vehicle wash proof
- Fully isolated from chasis earth faults
- RoHS Compliant



Specifications

	Parameter	Specification
GPS Antenna	Frequency	1575.42MHz $\pm$ 2MHz
	Bandwidth	10MHz
	VSWR	$\leq$ 1.9:1
	Axial Ratio @Zenith	3dB Typical
	Gain @Zenith	5dbi Typical
	Impedance	50 W
	Polarization	RHCP
Wi-Fi Antenna (Omni Directional)	Frequency	2.4 ~ 2.5 GHz and 4.7 ~5.9 GHz
	Impedance	50 Ω
	VSWR	$\leq$ 1.6:1
2G & 3G Cellular	Frequency	GSM 800/900/1800/1900 824 - 2170 MHz
	Impedance	50 W
	Peak Gain	3.0 ~ 3.8 dBi
	Polorization	Linear

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Specifications.....continued

	Parameter	Specification
Low Noise Amplifier	Frequency	1575.42MHz
	Bandwidth	10MHz
	Noise Figure	1.5dB Typical
	VSWR	1.92 Max
	Gain	30dB Typical
	Impedance	50 W
	Power Consumption	7mA @3.3V
	Operating Temperature	-30°~+80°C
	Storage Temperature	-40°~+90°C
Physical Interfaces	Dimensions	Diameter 145.6mm
		Height (profile) 35.1mm – (Above chassis)
		Nut / thread 30mm (Below chassis)
	Colour	Black
	Connectors	GPS: SMA(M)
		GSM: SMA(M)
		Connector
		Wi-Fi: RP-SMA(M)
		Fully Customisable (on request)
	Cable	RG-174 Length = 3Meters
		Cable
		Fully Customisable (on request)