



Product Datasheet

Part Code: ANT-VEH -ISO

**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 ± 2MHz
	Bandwidth	10MHz
	VSWR	<=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	<=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)		