



Sierra Wireless AirLink® Antenna: 3-in-1 Dome

AirLink® Antenna: 3-in-1 Dome

The 3-In-1 low profile MiMo dome antenna has been designed to support the new generation of vehicular LTE routers.

The antenna enclosure contains three isolated high performance antenna elements; two ultra-wideband elements covering 698-2700MHz support MiMo/ diversity at cellular/LTE frequencies and a high performance GPS / GNSS antenna with an integrated 26dB gain LNA and high quality filtering to combat noise.

The antenna does not require a metallic ground plane, and maintains a high level of performance even when mounted on a non-metallic surface.

		Specification	
PART NO.		6001136	
ELECTRICAL DATA			
Frequency Range	Elements 1 & 2	698-960 / 1700-2700MHz	
Operational	Elements 1 & 2	2G/3G/4G LTE	
Peak gain: Isotropic	Elements 1 & 2	698-960MHz	2.3dBi
		1700-2700MHz	5dBi
VSWR	Elements 1 & 2	< 2.5:1	
Isolation	Cellular	> 15dB	
Polarisation		Vertical	
Impedance		50Ω	
Max Input Power		50W	

		Specification
GPS/GNSS DATA		
Frequency Range	Element 3	1562-1612MHz
VSWR		<2:1 ± 4MHz
Gain: LNA		26dB
Polarisation		Right Hand Circular
Operating Voltage		3-5V DC
Current		<20mA
MECHANICAL DATA		
Dimensions	Height	62mm (2.4")
	Diameter	176mm (6.7")
Operating Temp		-30° / +80°C (-22° / 176°F)
Material		ASA & Diecast Aluminium
Colour		White
Ingress Protection		IP66
MOUNTING DATA		
Mounting Type		Bolt Mount
Mounting Panel Thickness		6mm (0.236")
Mounting Hole		19mm (3/4")
CABLE DATA		
Cell / LTE Cables	Type	CS29
	Length	5m (17ft)
	Termination	SMA Plug
GPS Cable	Type	CS29
	Length	5m (17ft)
	Termination	SMA Plug