



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

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Incorporating a DC grounded element operating wideband across all frequencies from 698 to 6000MHz and GNSS, 3-in-1 Rail antenna is a high performance housed in a high impact, weatherproof flame retardant Ultem.

EN50155 approved, this antenna is specially designed for use on trains, trams and buses.

		Specification
PART NO.		6001202
ELECTRICAL DATA		
Frequency Range	Elements 1 & 2	698-960/1710-2700/4900-6000
	Element 3	1562-1612MHz
Operational Bands	Elements 1 & 2	2G/3G/4G LTE
	Element 3	GPS/GLONASS/Galileo/BeiDou
Peak gain: Isotropic¹	Elements 1 & 2	5dBi (698-960MHz), 7dBi (1710-2170MHz), 10dBi (4.9-6.0GHz)
VSWR²	Elements 1 & 2	<2.5:1
Isolation²		> 10dB
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Input Power		60W
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 (fed via coax)
Current		15mA
Approvals		EN 301 489-1 V1.8.1 EN301 489-3 V1.6.1 EN 50121-3-2:2015

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MECHANICAL DATA		
Dimensions	Height	110mm (4.33")
	Length	260mm (10.23")
	Width	87mm (3.42")
Operating Temp		-40° / +80°C (-40° / 176°F)
Material / Rating		Ultem 1000 / V0 (UL 94)
Material		Cast Aluminium (Corrosion Protected and Powder Coated)
Colour		Black
Weight		1310g
Ingress Protection		IP67 (Report No. 48883)
MOUNTING DATA		
Mounting Type		4 x Mounting Holes to Suit M12 Bolts
CABLE DATA		
Cell	Cable	CS29
	Length	6m (20ft)
	Termination	SMA Plug
GNSS Cable	Cable	CS29
	Length	6m (20ft)
	Termination	SMA Plug

¹ Peak gain does not include cable attenuation

² VSWR & Isolation measured on 600x600 (2x2) ground plane with 1m (3) low loss cable

Contact Us



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About Sierra Wireless

Sierra Wireless is building the Internet of Things with intelligent wireless solutions that empower organizations to innovate in the connected world. We offer the industry's most comprehensive portfolio of 2G, 3G, and 4G embedded modules and gateways, seamlessly integrated with our secure cloud and connectivity services. OEMs and enterprises worldwide trust our innovative solutions to get their connected products and services to market faster.

For more information, visit usatcorp.com/airlink/.