



## Semtech Antenna – 4-in-1 Bat

Efficient element design that assures high performance and robust communication links, this BAT antenna is purposely designed for high-speed Telematics applications and can be mounted on any non-conductive surface. The isolated dual 2G/3G/4G LTE antenna elements cover 698-6000MHz and GNSS with dual-band Wi-Fi, and comes with a low loss flame retardant cable.

		Specification
PART NO.		6001201
<b>ELECTRICAL DATA</b>		
Frequency Range	3G/4G Elements	698-960/1710-3800MHz/4900-6000MHz
	Wi-Fi Element	2.4/5GHz
Peak gain: Isotropic <sup>1</sup>	3G/4G Elements	2dBi (698-960MHz), 3dBi (1710-2170MHz), 5dBi (2500-3800MHz)
	Wi-Fi Element	4dBi (2.4GHz), 5dBi (5GHz)
VSWR <sup>2</sup>	3G/4G Elements	<2.5:1
Isolation <sup>2</sup>		> 10dB
Pattern		Omni-directional
Impedance		50Ω
Max Input Power		20W
<b>GPS/GNSS DATA</b>		
Frequency Range		1562-1612MHz
VSWR		<2:1 ± 4MHz
Gain: LNA		26dB
Polarisation		Right Hand Circular
Operating Voltage		3-5V DC (fed via coax)
Current		Typical <20mA

<sup>1</sup> Peak gain does not include cable attenuation

<sup>2</sup> VSWR & Isolation measured on 3mm thick ASA with 3m (10') of CS29 cable

MECHANICAL DATA		Specification
Dimensions	Height	16.5mm (0.65")
	Length	214mm (8.4")
	Width	77mm (3.0")
Operating Temp		-30° / +70°C (-30° / 158°F)
Material		ASA
Color		Black
Weight		350g
MOUNTING DATA		
Mounting Type		Adhesive
CABLE DATA		
Cell / LTE Cables	Cable	CS29
	Length	3m (10ft)
	Termination	SMA Plug
GPS Cable	Cable	RG174
	Length	3m (10ft)
	Termination	SMA Plug
Wi-Fi	Cable	CS32
	Length	3m (10ft)
	Termination	SMA Plug Reverse Polarity

### About Semtech

Semtech Corporation (Nasdaq: SMTC) is a high-performance semiconductor, IoT systems and cloud connectivity service provider dedicated to delivering high-quality technology solutions that enable a smarter, more connected and sustainable planet. Our global teams are committed to empowering solution architects and application developers to develop breakthrough products for the infrastructure, industrial and consumer markets.

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