



## Sierra Wireless Antenna 3-in-1 SharkFin

### Sierra Wireless Antenna – 3-in-1 SharkFin

The 3-In-1 SharkFin has a compact OEM style housing that contains 2x2 MiMo antenna elements for 2G, 3G, and 4G LTE frequencies and an active antenna for GNSS with 26dB gain LNA.

PART NO.		Specification
		6001119
ELECTRICAL DATA		
Frequency Range (MHz)	3G/4G Elements	698-960, 1710-2170, 2500-3800MHz
Peak gain: Isotropic	3G/4G Elements	2dBi (698-960MHz), 5dBi (1710-3800MHz)
Isolation with 4m/13' CS29	3G/4G Elements	>11dB
Typical Efficiency w/o Cable Loss	3G/4G Elements	> 50%
Correlation Co-efficient	3G/4G Elements	< 0.2
Polarisation		Vertical
Pattern		Omni-directional
Impedance		50Ω
Max Input Power (W)		25
MECHANICAL DATA		
Dimensions (mm)	Total Height (excluding whip)	50 (2.2")
	Length	170 (6.77")
	Width	60 (2.4")
Operating Temp (°C)		-40° / +80°C (-40° / 176°F)
Material		ASA, EPDM, Aluminium Alloy
Color		Black
Weight (g)		913
Ingress Protection		IP 66

		Specification
GPS/GNSS DATA		
Frequency Range	Element 1	1562-1612MHz
VSWR		<2:1 ± 4MHz
Gain: LNA		26dB
Polarisation		Right Hand Circular
Operating Voltage		3-5V DC
Approval		E11
Current		<20m
MOUNTING DATA		
Fixing		Bolt Mount
Hole Size (mm)		19mm (3/4")
CABLE DATA		
Cell / LTE Cables	Cable Type	CS29
	Length (m)	4m (13ft)
	Termination	SMA Plug
GPS Cable	Cable Type	CS29
	Length (m)	4m (13ft)
	Termination	SMA Plug

## About Sierra Wireless

Sierra Wireless (a subsidiary of Semtech Corporation) is a world leading IoT solutions provider that combines devices, network services, and software to unlock value in the connected economy. Companies globally are adopting 4G, 5G, and LPWA solutions to improve operational efficiency, create better customer experiences, improve their business models, and create new revenue streams. Sierra Wireless works with its customers to develop the right industry-specific solution for their IoT deployments, whether this is an integrated solution to help connect edge devices to the cloud, a software/API service to manage processes with billions of connected assets, or a platform to extract real-time data to improve business decisions. With more than 25 years of cellular IoT experience, Sierra Wireless is the global partner customers trust to deliver them their next IoT solution.

For more information, visit [www.sierrawireless.com](http://www.sierrawireless.com).

Connect with Sierra Wireless on the IoT Blog at <http://www.sierrawireless.com/iot-blog>, on Twitter at [@SierraWireless](https://twitter.com/SierraWireless), on LinkedIn at <https://www.linkedin.com/company/sierra-wireless> and on YouTube at <https://www.youtube.com/SierraWireless>.

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