



## Semtech 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.

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

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

**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.

To learn more about Semtech technology, visit us at [Semtech.com](https://www.semtech.com) or follow us on [LinkedIn](#) or [X](#).