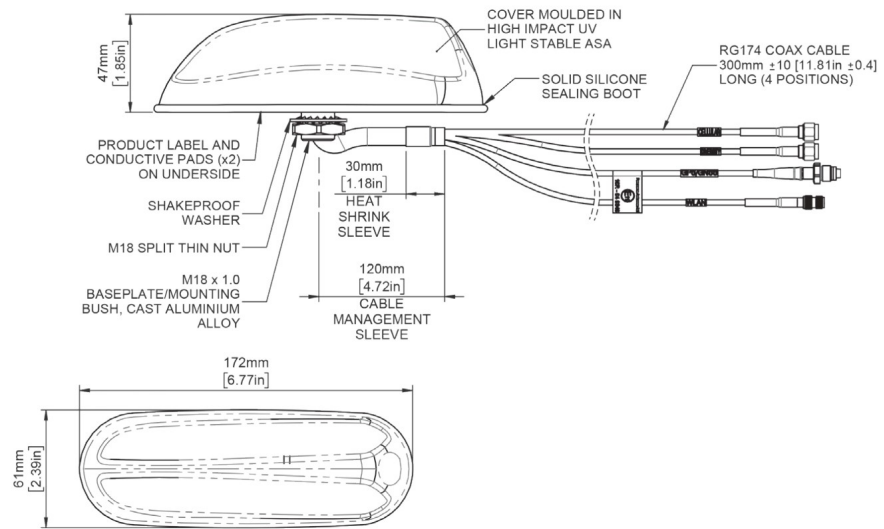


## Semtech Antenna – 4-in-1 SharkFin

Tested and certified to operate with AirLink routers and gateways, the 4-in-1 SharkFin has a compact OEM style housing that contains 2x2 MiMo antenna functions for 2G, 3G, and 4G LTE frequencies, an active antenna for GNSS with 26dB gain LNA and dual band Wi-Fi (2.4/5.0GHz) in a compact package.

		Specification
PART NO.		6001530
ELECTRICAL DATA		
Frequency Range	3G/4G Elements	698-960, 1710-2170, 2500-3800MHz
	Wi-Fi Element	2.4 / 4.9-6.0GHz
Peak gain: Isotropic	3G/4G Elements	2dBi (698-960MHz)   5dBi (1710-3800MHz)
	Wi-Fi Element	4dBi (2.4GHz), 6dBi (5.8GHz)
Isolation with 5m 16' CS29	Cellular	>12dB
	Wi-Fi	> 20dB
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		5W

		Specification
<b>GPS/GNSS DATA</b>		
<b>Frequency Range</b>		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>Current</b>		<20mA
<b>MECHANICAL DATA</b>		
<b>Dimensions</b>	<b>Total Height</b>	47mm (1.9")
	<b>Length</b>	172mm (6.8")
	<b>Width</b>	60mm (2.4")
<b>Operating Temp</b>		-40° / +80° C (-40° / 176° F)
<b>Material</b>		ASA, EPDM, Aluminium Alloy
<b>Color</b>		Black
<b>Weight</b>		923g
<b>Ingress Protection</b>		IP 66
<b>MOUNTING INFO</b>		
<b>Mounting Type</b>		Bolt Mount
<b>Mounting Hole</b>		19mm (3/4")
<b>CABLE DATA</b>		
<b>Cell / LTE Cables</b>	<b>Type</b>	CS29
	<b>Length</b>	4m (13ft)
	<b>Termination</b>	SMA(m)
<b>GPS Cable</b>	<b>Type</b>	CS29
	<b>Length</b>	4 (13ft)
	<b>Termination</b>	SMA(m)
<b>Wi-Fi Cable</b>	<b>Type</b>	CS32
	<b>Length</b>	4 (13ft)
	<b>Termination</b>	RP-SMA(m)



**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](#).