



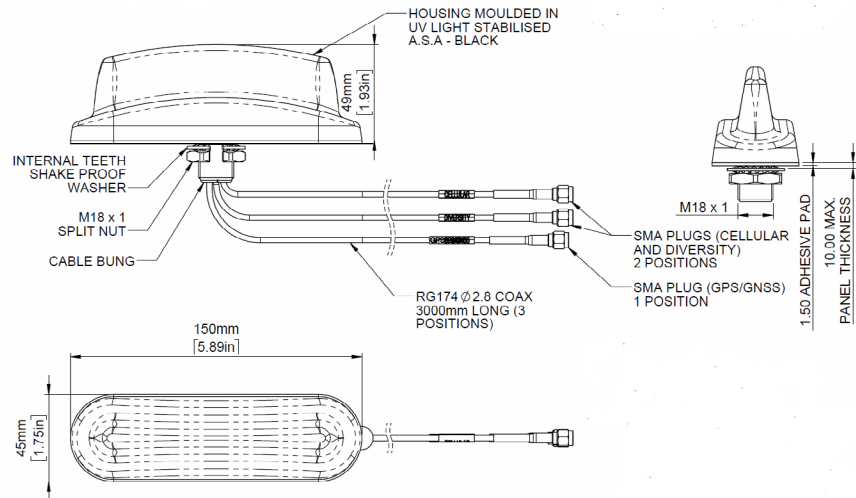
Semtech Antenna – 3-in-1 Panel

The 3-in-1 Panel has been tested and certified to provide MiMo LTE antenna function for AirLink routers and gateways. The compact, robust low profile housing is ground plane independent, weatherproof and contains two antenna elements with effective isolation and correlation covering all current global cellular and LTE bands in frequency ranges 698-960/1710-3800MHz as well as an active GNSS antenna for applications which require position or timing functionality.

		Specification	
PART NO.		6001125 (3m) / 6001211 (1m)	
ELECTRICAL DATA			
Frequency Range	3G/4G Elements	698-960 / 1710-3800MHz	
	GNSS	1562-1612MHz	
Peak gain: Isotropic*	Cellular	698-960MHz	1.5dBi
		1710-2700MHz	4.5dBi
		2500-3800MHz	5dBi
Pattern		Omni-directional	
Nominal Impedance		50Ω	
Max Input Power		20W	
GNSS DATA			
Frequency Range		1562-1612MHz	
LNA Gain		26dB	
Polarisation		Right Hand Circular	
Operating Voltage		3-5VDC	
Current		Typical <20mA	
MECHANICAL DATA			
Dimensions	Height	49mm (1.92")	
	Length	150mm (5.90")	
	Width	45mm (1.77")	
Operating Temp		-30° / +70°C (-22° / 158°F)	
Material		ASA	
Color		Black	
Weight		263g	

*Peak gain simulated off a groundplane and does not include cable attenuation

MOUNTING DATA		Specification
Mounting Type		18mm (3/4") mounting bush and acrylic adhesive pad
CABLE DATA		
Cell / LTE Cable	Cable Type	RG174
	Length	3m (9.8')/1m (3.28')
	Termination	SMA Plug
GPS Cable	Cable Type	RG174
	Length	3m (9.8')/1m (3.28')
	Termination	SMA Plug
TECHNICAL DRAWING		



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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