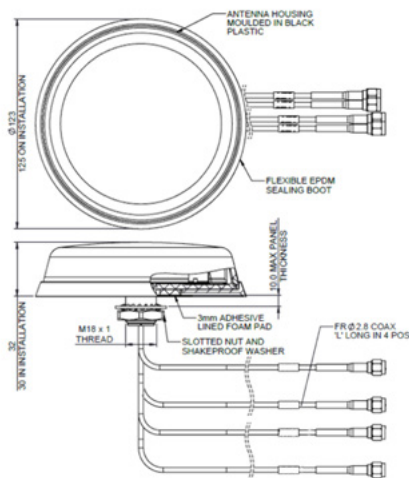


Semtech Antenna – 3-in-1 Dome

The 3-in-1 dome antenna feature an ultra low profile housing which contains 2x2 MiMo antenna function for 5G/4G and an active L1/L5 antenna for GPS/GNSS with 30db/26dB gain LNA. This tough hockey puck style antenna has low visual impact and is engineered for demanding applications with a flame retardant, impact resistant and ingress protected housing rated to IP69K and IK10. Supplied with 2m (6.6') low loss double shielded CS30 cables and requiring only a single hole for installation the 3-in-1 dome antennas are easy to install and ideal for industrial applications.

		Specification	
PART NO.		6001563 (Black)	
ELECTRICAL DATA			
Frequency Range	GPS/GNSS	1559-1612 - 1164-1189 MHz	Patch type element
	5G/4G Elements	617-960, 1710-4200 MHz	Dipole type element
Peak gain: Isotropic	5G/4G Elements	617-960MHz 1710-4200MHz	3dBi 4dBi
Isolation	5G/4G Elements	>12dB	
Typical Efficiency	5G/4G Elements	34% 32.5%	617-960MHz 1710-4200MHz
Correlation Co-efficient	5G/4G Elements	<0.2	
Pattern		Omni-directional	
Impedance		50Ω	

		Specification
GPS/GNSS DATA		
Frequency Range		1559-1612 / 1164-1189 MHz
Gain: LNA		30dB / 26dB
Typical Noise Figure		-2.6dB
Operating Voltage		3-5V DC (fed via coax)
Typical Current		36mA
MECHANICAL DATA		
Dimensions	Total Height	32 mm (1.3")
	Diameter	123 mm (4.8")
Operating Temp		-40° / +80°C (-40° / 176°F)
Material		Lexan EXL 9330
Color		Black (6001563)
Ingress Protection		IP69K
MOUNTING INFO		
Mounting Type		Panel Mount
Mounting Hole		19 mm (3/4")
CABLE DATA		
Cell / LTE Cables	Type	CS30
	Length	2 m (6.6')
	Termination	2 x SMA Plug (m)
GPS/GNSS Cable	Type	CS30
	Length	2 m (6.6')
	Termination	1x SMA Plug (m)



6001561 shown

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](#).

"Semtech", "Sierra Wireless" and "AirLink" are registered trademarks of Semtech Corporation or its subsidiaries. Other product or service names mentioned herein may be the trademarks of their respective owners. © 2026 Sierra Wireless, Inc. © 2026 Semtech Corporation. All rights reserved. 2026.03.02