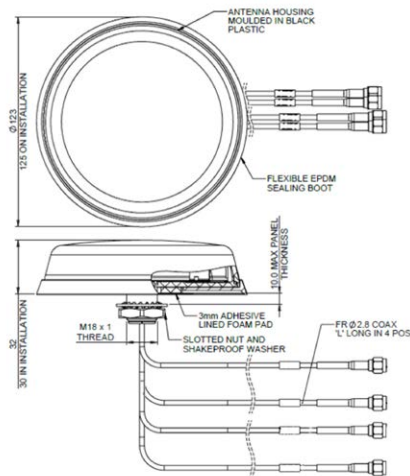## Semtech Antenna – 3-in-1 Dome

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	698-960, 1710-4200 MHz	Dipole type element
Peak gain: Isotropic	5G/45G Elements	698-960MHz 1710-4200MHz	3dBi 4dBi
Isolation	5G/4G Elements	>12dB	
Typical Efficiency	5G/4G Elements	36% 32.5%	698-960MHz 1710-4200MHz
Correlation Co-efficient	4G/5G 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)

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