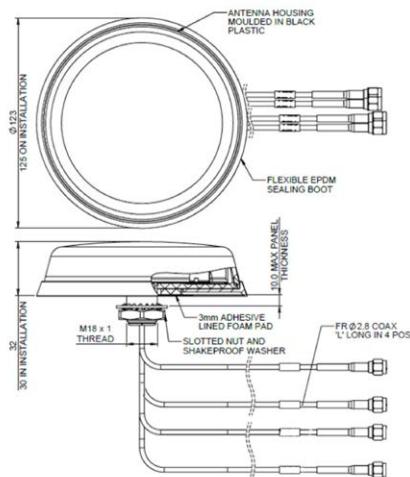



**Semtech® Antenna
4-in-1 Dome**
Semtech Antenna – 4-in-1 Dome

The 4-in-1 dome antenna feature an ultra low profile housing which contains 2x2 MiMo antenna function for 5G/4G, an active L1/L5 antenna for GPS/GNSS with 30db/26dB gain LNA and SiSo antenna functionality for 2.4/5.15-6GHz WiFi. 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 4-in-1 dome antennas are easy to install and ideal for industrial applications.

| | | Specification | |
|--------------------------|-----------------|----------------------------|----------------------------|
| PART NO. | | 6001561 (Black) | |
| ELECTRICAL DATA | | | |
| | GPS/GNSS | 1559-1612 - 1164-1189 MHz | Patch type element |
| Frequency Range | 5G/4G Elements | 698-960 - 1710-4200 MHz | Dipole type element |
| | Wi-Fi Elements | 2.4/5.15-6GHz | PiFa antenna |
| | 5G/45G Elements | 698-960MHz 1710-4200MHz | 3dBi 4dBi |
| Peak gain: Isotropic | Wi-Fi Elements | 2.4-2.485GHz 5.15-6GHz | 3dBi 3dBi |
| Isolation | 5G/4G Elements | >12dB | |
| Typical Efficiency | 5G/4G Elements | 36% 32.5% | 698-960MHz 1710-4200MHz |
| | Wi-Fi Elements | 41% 26.5% | 2.4-2.485GHz 5.15-6GHz |
| 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 (6001561) | |
| 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) |
| Wi-Fi Cable | Type | CS30 |
| | Length | 2 m (6.6') |
| | Termination | 1x Rev Pol 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.

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