

## SMW-318

### 5G MULTIBAND SURFACE MOUNT ANTENNA

#### PRODUCT OVERVIEW

The SMW-318 is a medium-sized surface mount antenna that contains two wideband 5G Cellular elements for 2xMIMO coverage and 1xGPS, GNSS is also available as an option. Each element covers 617-960 & 1710-6000 MHz. This antenna offers high performance on both bands for reliable coverage: 3 dBi gain on the lower band and 6 dBi gain on the upper band.

The antenna supports all 5G/LTE/4G cellular bands with 2xMIMO elements for redundancy high data rate throughput.

The compact and attractive antenna measures only 4.2" in diameter and 3.2" in height. It has a very tough, rugged radome and is available in either black or white. Only one hole is required for surface mount installation. Gasket & nut (3/4" dia.) are included for water seal surface mounting. Custom cables and connectors are available upon request. The antenna is not available as a mag-mount.

The antenna is ideal for high data rate IoT applications either fixed site or mobile (vehicular) applications.

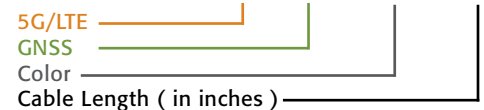
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Electrical Specifications		
Frequency & Gain	5G/LTE Cables 1&2	617-960 MHz, 3 dBi 1710-6000 MHz, 6 dBi
	GPS Cable 3	1575.42 ±2 MHz, 26 dB, 5 dBi
VSWR	< 2.5:1 max over range	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GPS	Voltage	3.3/5 VDC
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Stable Plastic, Available in Black or White
Radome Dimension	4.20" D x 3.17" H (107 mm x 81 mm)
Standard Connectors	SMA Plugs ( Male ) for 5G/LTE and GPS/GNSS
Cables 1 - 2	Separate LL-195 15 ft (4572 mm)
Cable 3	RG-174 15 ft (4572 mm)
Operating Temperature	-40° to +80° C
Mounting	Threaded metal stud 3/4" dia. x 1/2" long (19 mm x 13 mm) for 1/4" (6 mm) thick metal; Supplied with gasket & nut; other stud lengths available.
Shock & Vibration	IEEE1478, EN 61373, MIL-810G TIA 329.2-C
Dust & Water Ingress	IP69K (Mag-Mount, When Properly Mounted)
RoHS Compliant	Yes



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#### HIGHLIGHTS:

- 2x 5G/LTE and 1x GPS
- Frequency Coverage Up to 6000 MHz
- High Performance, High Gain
- Made-in-the-USA & UK

#### RELATED MODELS:

- SMW-418 (1x 5G, 2x WiFi 6E, 1x GPS)
- LLP308 (2x 5G, 1x GPS)
- LTM308 (2x 5G, 1x GPS)
- CVW308 (2x 5G, 1x GPS)

#### COMMON APPLICATIONS:

- High Capacity Data Transmission on 2x MIMO 5G
- Use with Advanced 5G Routers
- Fixed Site Installations
- Large Volume Data Capture and Transmission
- Supplemental Cellular Coverage for Fleet Management



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