

LMO6138/G ANTENNA

LMO6138/G MIMO Omni Antenna

The LMO6138 antenna is a compact 5G/4G/LTE MIMO, dual polarized, omni-directional antenna with integrated active GNSS element designed for outdoor deployments. Housed in a robust white ASA/PC radome, the LMO6138 antenna offers consistent performance across many bands including Band 71 from 617 MHz and also the 5G band from 3400-3800 MHz and GPS/GLONASS L1 support. Ideal to complement 5G routers and access applications, the LMO6138 offers various mounting options



Applications

- ▶ 5G/4G Routers
- ▶ 5G Access Applications
- ▶ Security Systems
- ▶ Gateways
- ▶ Wireless CCTV and Video

Key Features

- ▶ Compact MIMO Omni Antenna
- ▶ Covering 4G/5G/LTE Frequencies
- ▶ Operates from 617 to 3800 MHz
- ▶ Various Mounting Options
- ▶ Integrated active GNSS antenna

5G ELECTRICAL SPECIFICATIONS

| Frequency Range | Peak Gain | VSWR | Input Power | Impedance | Polarization |
|--|--|--------|-------------|-----------|---------------|
| 617-690/690-960/1710-2200/2500-2700 3400-3800 MHz | Element 1 - 1.0 / 3.3 / 4.0 / 3.8 / 3.0 dBi Element 2 - 0.6 / 2.2 / 3.6 / 5.7 / 6.9 dBi | <2.7:1 | 10w | 50 Ohm | Dual - Linear |

GNSS SPECIFICATIONS

| Frequency Range | Gain | VSWR | Polarization / Impedance | Input Power | Noise / Power Consumption |
|--------------------|----------------|--------|--------------------------|-----------------|--|
| 1575.42 - 1602 MHz | 26 dB with LNA | <2.0:1 | RHCP / 50 Ohm | DC +2.8 to 5.0V | Max 2.0 (typical 1.0) / 30 mA (Max) |

MECHANICAL SPECIFICATIONS

| Dimensions | Cable Type | Connector | Radome Material | IP-Rating | Mounting |
|--|---------------------|--------------|-----------------|--------------------------------------|--------------------------------|
| 187 x 106mm (hxd excluding bracket) | 3 x RG316 Pigtaills | 3 x SMA-Male | ASA/PC | IP67 <i>(depends on mounting)</i> | Wall/Pole/Non-Metal Surface |

POPULAR ORDERING OPTIONS

LMO6138/G-WB-SM3

LMO6138/G antenna with L-bracket 3 x SMA-Male