

# Antenna-Roof-2LG

## Roof Antenna with MIMO LTE + GNSS

Omnidirectional combo antenna with linear polarization for signal enhancement in 4G, 3G, 2G and right-hand circular polarization for the active GPS antenna.



### Keyfeatures

|                 |                       |
|-----------------|-----------------------|
| <b>Cellular</b> | MIMO LTE / UMTS / GSM |
| <b>GNSS</b>     | active                |
| <b>Vehicle</b>  | ECE R118              |

### Specifications

|                          |                                 |   |
|--------------------------|---------------------------------|---|
| <b>Mobile / Cellular</b> | <b>Standard</b>                 | 2 x LTE / UMTS / GSM<br><b>LTE</b> Bands: 1, 2, 3, 4, 5, 7, 8, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 29, 30, 65, 66, 67, 68, 69, 70, 85 - TDD Bands: 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53<br><b>UMTS</b> Bands: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 19, 20, 25, 26 - TDD Bands: 33, 34, 35, 36, 37, 38, 39, 40<br><b>GSM</b> Bands: 710, 750, 810 T-GSM, 850, 900 P, 900 E, 900 R, 1800 DCS, 1900 PCS<br><b>Bands</b> 710, 750, 810 T-GSM, 850, 900 P, 900 E, 900 R, 1800 DCS, 1900 PCS<br><b>Frequency</b> 704 - 960, 1710 - 2690 |
|                          | <b>Specification</b>            | <b>Gain</b> Main Antenna<br>6.1 dBi@700~960MHz (3m Cable)<br>5.47 dBi@1710~2690MHz (3m Cable)<br><br>Sub Antenna<br>4.91 dBi@700~960MHz (3m Cable)<br>4.45 dBi@1710~2690MHz (3m Cable)<br><b>VSWR</b> ≤ 2.4 typ.<br><b>Impedance</b> 50 Ohm<br><b>Radiation</b> omnidirectional   |
|                          | <b>Connectors</b>               | 2x SMA male fix connected 3m antenna cable  |
|                          |                                 |   |
| <b>GNSS</b>              | <b>Standards</b>                | 1 x GPS / Galileo / GLONASS / BeiDou<br><b>Type</b> active<br><b>Frequency</b> 1532 - 1618  |
|                          | <b>Specification</b>            | <b>Gain</b> 27 dBi<br><b>VSWR</b> ≤ 1,5 typ.<br><b>Impedance</b> 50 Ohm<br><b>Radiation</b> omnidirectional   |
|                          | <b>Amplifier</b>                | <b>Power</b> 3 - 5.5 V<br><b>Current</b> 12 mA<br><b>Gain</b> 25 dB typ.  |
|                          | <b>Connectors</b>               | 1x SMA male fix connected 3m antenna cable  |
| <b>Mechanical</b>        | <b>Dimensions</b>               | <b>Diameter</b> 80 mm<br><b>Height</b> 42 mm  |
|                          | <b>Weight</b>                   | 335 g   |
|                          | <b>Mounting</b>                 | Rooftop with screws   |
|                          | <b>Color</b>                    | black   |
| <b>Environment</b>       | <b>Operating Temperature</b>    | -40°C to +80°C  |
|                          | <b>Ingress Protection Level</b> | IP67  |

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|-------------------------|--------------------------|--|
| <b>Certifications</b>   | <b>Compliance Domain</b> | ECE R118, RoHS, REACH<br>Industrial Vehicle                              |
| <b>Extension Cables</b> | <b>Cellular GNSS</b>     | 2 x fix connected / 3 m / SMA male<br>1 x fix connected / 3 m / SMA male |
| <b>Other</b>            | <b>Order Code</b>        | Antenna-Roof-2LG   |

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