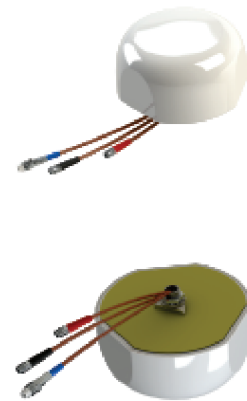


# Commutr<sup>®</sup>

## Compact Multiband M2M Antenna

Heavy duty omni-directional multiband antenna for through-hole roof mounting. Especially made for demanding mobile M2M and tracking applications on trucks and buses.

- 10 BANDS IN ONE INSTALLATION (LTE/GSM/UMTS/WLAN/GPS)
- LOW PROFILE DESIGN
- ACTIVE GPS ANTENNA
- WIDE RANGE OF EXTENSION CABLES AVAILABLE (NOT INCLUDED)



**Electrical Specifications:**

|                              |  |
|------------------------------|--|
| Frequency                    | 790 - 869 MHz, 824 - 894 MHz, 890 - 960 MHz, 1710 - 1880 MHz, 1850 - 1990 MHz, 1850 - 2170 MHz, 2412 - 2484 MHz, 2500 - 2690 MHz, 5825 - 4915 MHz, 1575.42 MHz |
| Impedance                    | 50 Ohm   |
| Polarisation                 | Linear   |
| Gain                         | 0 dBd  |
| Bandwidth                    | See "FREQUENCY"  |
| VSWR                         | < 3.0  |
| Max. Power                   | 3 W (LTE/GSM/UMTS/WLAN)  |
| LNA Gain                     | 26 dB (GPS)  |
| Noise Figure                 | 1.35 dB (GPS)  |
| Supply voltage               | 3 - 5.5 V DC (Fed via cable) (GPS)   |
| Current consumption, average | 20 mA  |



**Mechanical Specifications:**

|                   |  |
|-------------------|--|
| Color             | Glossy white   |
| Diameter          | 124 mm   |
| Weight            | 175 g  |
| Mounting          | Bolt-on with adhesive tape for effective sealing   |
| Materials         | ASA, PCB, PE, copper, brass and stainless steel.   |
| Connector 1       | LTE/GSM/UMTS: SMA-female (Red coding on cable)   |
| Connector 2       | WLAN: SMA-female (Black coding on cable)   |
| Connector 3       | GPS: FME-female (Blue coding on cable)   |
| Cable             | 0.2 - 0.3 m fixed to the antenna (Extension cables not supplied - please order separately) |
| Mounting place    | On horizontal surface (conductive or non-conductive)                                       |
| Height above roof | 61.5 mm  |
| Mounting hole     | Ø 13 - 20 mm   |
| Build-in depth    | Approx. 17 mm  |



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**Ordering information:**

|     |  |
|-----|--|
| P/N | 48003-000 (Antenna only)                     |
| P/N | 48003-001 (Antenna only - Packed in polybag) |

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**Packing information:**

|         |  |
|---------|--|
| Packing | Polybag or bulk (See "Ordering Information") |
| Size    | 150 x 150 x 150 mm                           |
| Weight  | Approx. 0.2 kg                               |



Outline Drawing

