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## **Commutr®**

## Compact Multiband 2G/3G/4G/IoT/GNSS Mobile Antenna

Full omni-directional multiband antenna for through-hole roof mounting. Especially made for demanding mobile communication applications on trucks and buses.

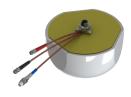
- 10 BANDS IN ONE INSTALLATION (LTE/GSM/UMTS/WLAN/GNSS)
- LOW PROFILE DESIGN
- ACTIVE GNSS ANTENNA
- WIDE RANGE OF EXTENSION CABLES AVAILABLE (NOT INCLUDED)

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, 4915 - 5825 MHz, 1561.1 - 1605.4 MHz	
Bandwidth	See "FREQUENCY"	
Impedance	50 Ohm	
VSWR	< 2.5 (790-960 MHz), < 2.0 (1710-2170), < 2.5 (2500-2690 MHz)	
Satellite System	GLONASS, GPS, Galileo and BeiDou	
Polarisation	Linear	
Gain	0 dBd, 2.15 dBi	
Max. Input Power	3 W (LTE/GSM/UMTS/WLAN)	
LNA Gain	26 dB (GNSS)	
Noise Figure	1.35 dB (GNSS)	
Supply voltage	3 - 5.5 V DC (Fed via cable) (GNSS)	
Current consumption, average	20 mA	

Mechanical Specifications:	
Color	Glossy white
Weight	175 g
Diameter	124 mm
Mounting	Bolt-on with adhesive tape for effective sealing
Mounting place	On horizontal surface (conductive or non-conductive)
Height above roof	61.5 mm

reserves the right to introduce changes to this information without notice.











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Mounting hole	Ø 13 - 20 mm	
Build-in depth	Approx. 17 mm	
Materials	ASA, PCB, PE, copper, brass and stainless steel.	
Connector	LTE/GSM/UMTS: SMA-female (Red coding on cable)	
Connector 2	WLAN: SMA-female (Black coding on cable)	
Connector 3	GNSS: FME-female (Blue coding on cable)	
Cable	0.2 - 0.3 m fixed to the antenna (Extension cables not supplied - please order separately)	
Ingress Protection	IP66	
Ordering information:		
P/N	48003-000 (Antenna only)	
P/N	48003-001 (Antenna only - Packed in polybag)	
Packaging Information:		
Туре	Polybag or bulk (See "Ordering Information")	
Size	150 x 150 x 150 mm	
Weight	Approx. 0.2 kg	





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## Outline Drawing

