

Specifications**Code-Nr.: 60803246**

Photo



Electrical properties

LTE

Antenna type	¼ A mobile antenna
Frequency	690 ÷ 960 MHz, 1710 ÷ 1880 MHz 1850 ÷ 1990 MHz, 1920 ÷ 2700 MHz
Impedance	50 Ohm
Polarization	vertical
Emission	omnidirectional
Gain	3.5 dBi
Max Power	10 Watt
V.S.W.R.	690 ÷ 960 MHz – less than 3.0 1710 ÷ 2700 MHz – less than 2.4

GPS/GNSS/GALILEO

Antenna type	active planar patch antenna
Center-Frequency	1575.42 MHz
Bandwidth	±1.023 MHz
Impedance	50 Ohm
Polarization	RHCP
Supply voltage	2.7÷5.1 V
Current absorption	12mA±1 at 2.7V 23mA±1 at 5.1V
Gain amplifier	20dB ±1 at 2.7V 23dB ±1 at 5.1V
Gain patch antenna	2 dB
Noise figure	1.7÷2.1 dB

Wlan

Antenna type	¼ λ mobile antenna
Frequency	2400 ÷ 2485 MHz 5250 ÷ 5850 MHz
Impedance	50 Ohm
Max Power	10 Watt
V.S.W.R.	2400 ÷ 2495 MHz less than 2.0 5250 ÷ 5850 MHz less than 3.0
Polarization	Vertical
Emission	Omnidirectional
Gain	2.14 dBi

Mechanical properties

Antenna cable	LTE – no cable GPS – RG316 180mm ± 20mm Wlan – RG316 180mm ± 20mm
Connector	LTE – N female GPS – optional Wlan – optional
Material	Base – Aluminium alloy EN AW -0682 Radome – Polycarbonate – UL 94 V 2
Dimension	106*160mm
Build in depth	Approx. 17mm
Mounting	according to FEDERTRASPORTI 00104/5
Temperature	-40°C - +80°C
Tested speed	> 700 km/h
Net weight	850g

Certification

- DIN EN-50155:2008-03
- DIN EN-60068-2-1:2008-01
- DIN EN-60068-2-30:2006-06
- DIN EN-60068-2-2:2008-05
- DIN EN-61373:2010-04 category 1 class A
- DIN EN ISO 9227:2012-09

Assembly drawing

