

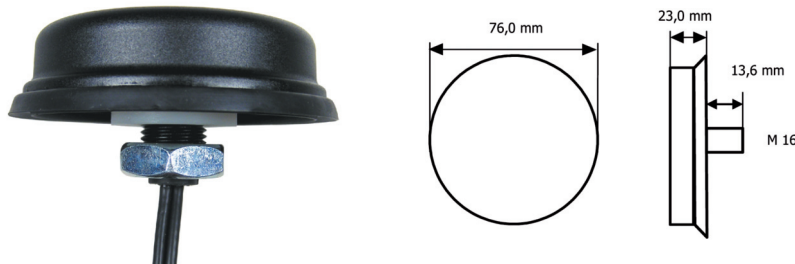
MC0114042-2-WLAN GSM/UMTS/GPS/WLAN / IP69K

**GSM 850/900/1800/1900 MHz
+ UMTS + GPS high gain + WLAN 2400 MHz**

GSM/UMTS/GPS/WLAN



**made
in
Germany**



Technical Data:

GSM

Frequency Range 850/900/1800/1900 + 2100 MHz
 VSWR* < 2.0 typ.
 Peak Gain* +5 dBi typ. (900 MHz)
 +3 dBi typ. (1800MHz)
 +1 dBi typ. (2100 MHz)
 Power max. 10 W
 Diagnosticresistor 10 k Ω (others on request)

GPS

Frequency 1575.42 MHz
 VSWR 1.5 typ.
 Peak Gain 25 dBi typ.
 Power Supply 3V to 5V; 25mA typ.
 V_{DD} max. +10V_{DC}
 Input Power max. +17dBm
 Current max. 30mA

WLAN

FrequencyRange 2400 MHz
 VSWR* < 2.0 typ.
 Peak Gain* +6 dBi typ
 Power max. 10 W

* Measured with 0.6m cable on 30x30cm ground plane



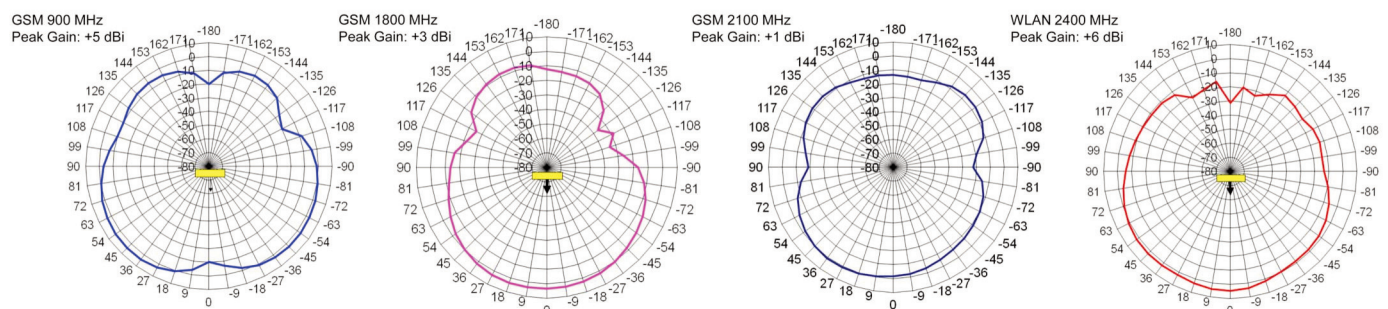
Dimensions and connectors:

Dimensions (\varnothing /h): approx. 76 mm / 23 mm
 Temperature range: from -40°C up to +85°C
 Connection (standard): 3m connecting cable RG174 with GSM/FME (f); GPS/SMA (m)
 3m connecting cable RG174 low loss with WLAN/SMA (m)
 (other cable-lengths or connectors on request)

Instruction for installation

Mounting hole for all ROOFMOUNT antennas: Diameter 16.2 mm (+2 mm, -0 mm)
 Housing 70 with plastic bottom PC: min. 4 Nm up to max. 6 Nm
 Housing 98 with plastic bottom PS/ABS: min. 6 Nm up to max. 8 Nm

Radiation diagram (typ.)*



* Measured with 0.6m cable on 30x30cm ground plane