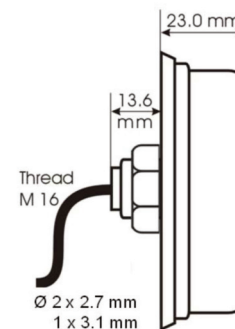
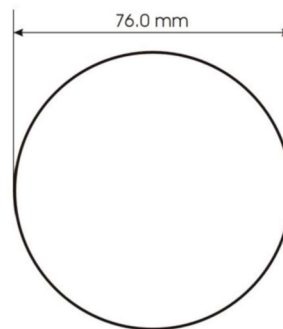


# MC0114042-3 GSM-UMTS-GPS-WLAN

**GSM 850/900/1800/1900 MHz + UMTS + GPS high gain  
+ WLAN 2400/5300 MHz**

**GSM/UMTS/GPS/WLAN**



**made  
in  
Germany**

## Specifications

	<b>GSM / UMTS</b>	<b>GPS</b>	<b>WLAN</b>
Frequency Range	850/900/1800/1900 + 2100 MHz	1575.42 MHz	2400/5300 MHz
VSWR*	< 2.0 typ.	1.5 typ.	< 2.0 typ.
Peak Gain*	+5 dBi typ. (900 MHz) +3 dBi typ. (1800 MHz) +1dBityp. (2100 MHz)	25 dB typ.	+4 dBi typ. (2400 MHz) +1 dBi typ. (5300 MHz)
Power max.	10 W	10 W	
Diagnostic resistor	10 kΩ (others on request)		
Power Supply	3V to 5V; 25mA typ.		
VDD max.	+10 VDC		
Input Power max.	+17 dBm		
Current max.	30mA		

\* Measured with 0.6m cable on 30x30cm ground plane

## Mechanical Data

Dimensions (ØxH)	approx. 76mm x 23mm
Temperature Range	-40°C to +85°C (operating temperature)
Connection (Standard)	approx. 3m connecting cable RG174 with GSM/FME(f); GPS/SMA(m) approx. 3m connecting cable RG174 lowloss with WLAN/SMA(m)

## 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