

**GSM 850/900/1800/1900 MHz + UMTS + GPS high gain  
WLAN 2400/5300 MHz+ LTE Band 7,13,20 (4G)  
inkl. LTE Band: 1,2,3,4,5,8,25,26**

**GSM/UMTS/GPS/WLAN/LTE**



## Specifications

	<b>GSM / UMTS / LTE</b>	<b>GPS</b>	<b>WLAN</b>
Frequency Range	800/850/900/1800/1900/2100 MHz LTE Band 7,13,20, inkl. 1,2,3,4,5,8,25,26	1575.42 MHz	2408-2480 MHz (802.11b/g/n) 5150-5850 MHz (802.11.a/h/j/n/ac)
VSWR*	< 2.0 typ.	1.5 typ.	< 2.0 typ.
Peak Gain*	±0 dBi typ. (800 MHz) +5 dBi typ. (900 MHz) +3 dBi typ. (1800 MHz) +1 dBi typ. (2100 MHz) +2 dBi typ. (2600 MHz)	25 dBi typ.	+4 dBi typ. (2400 MHz) +1 dBi typ. (5300 MHz)
Power max.	10 W	10 W	10W
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

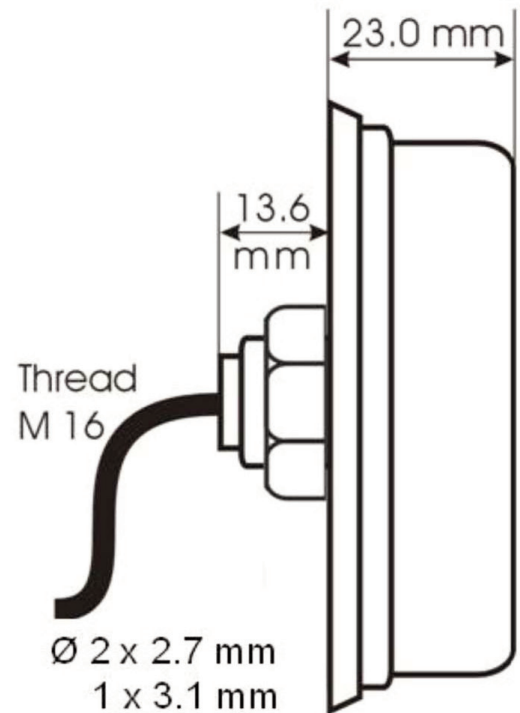
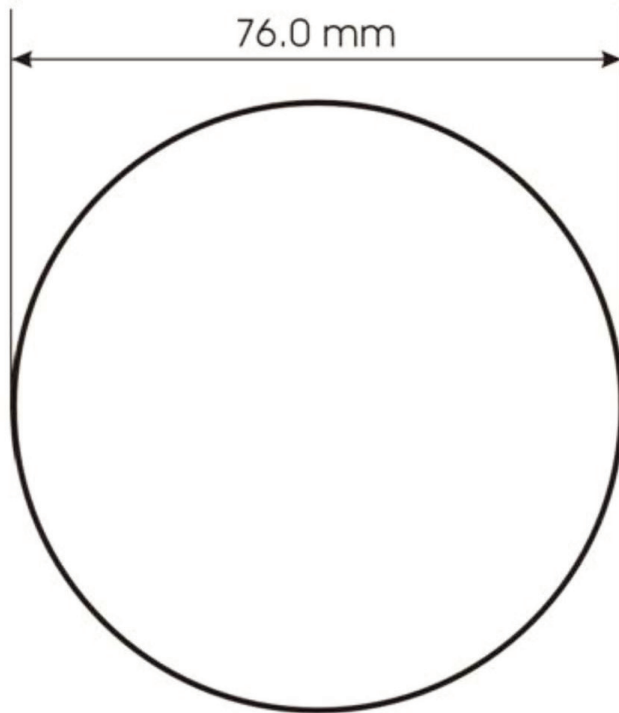
Dimensions (ØxH) approx. 76mm x 23mm  
 Temperature Range -40°C to +85°C (operating temperature)  
 Connection (Standard) approx. 3m connecting cable RG174 with 3x SMA (male) for GSM/GPS/WLAN

## Instruction for installation

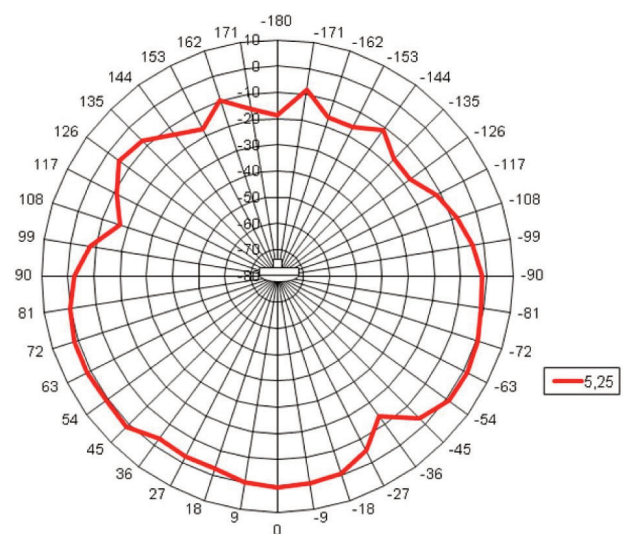
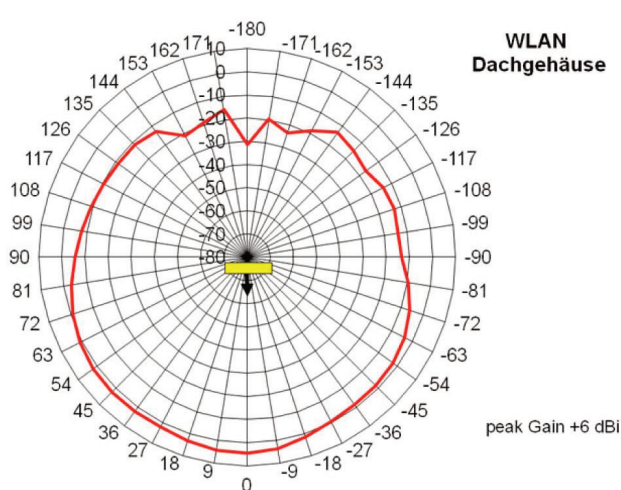
Mounting hole for all ROOFMOUNT antennas: Diameter 16.2 mm (+2 mm, -0 mm)  
 Housing 70 with plastic bottom PC: min. 4 Nm up to max. 6 Nm  
 Housing 98 with plastic bottom PS/ABS: min. 6 Nm up to max. 8 Nm

# MC0114042-3-LTE

## GSM-UMTS-GPS-WLAN-LTE



### Abstrahldiagramm



\* gemessen mit 0,6 m Kabel auf einer Massefläche von 300 mm x 300 mm