

## Planar Combination Antenna K60ZPM

GSM 850/900/1800/1900 MHz + UMTS + GPS passive

Magnet Mount



- **Including 868 MHz – services and DECT**
- **Magnet mounting antenna waterproof IP68**
- **3 Neodym magnets for optimal fixing**
- **Our products are RoHS- and REACH-conform**



## Technical Data

### GSM

Frequency Range	850/900/1800/1900 + 2100 MHz
VSWR*	< 2.0 typ.
Peak Gain*	+1 dBi typ. (900 MHz) +3 dBi typ. (1800 MHz) +4 dBi typ. (2100 MHz)
Power max.	10 W
Diagnostic resistor	10 kΩ (others on request)

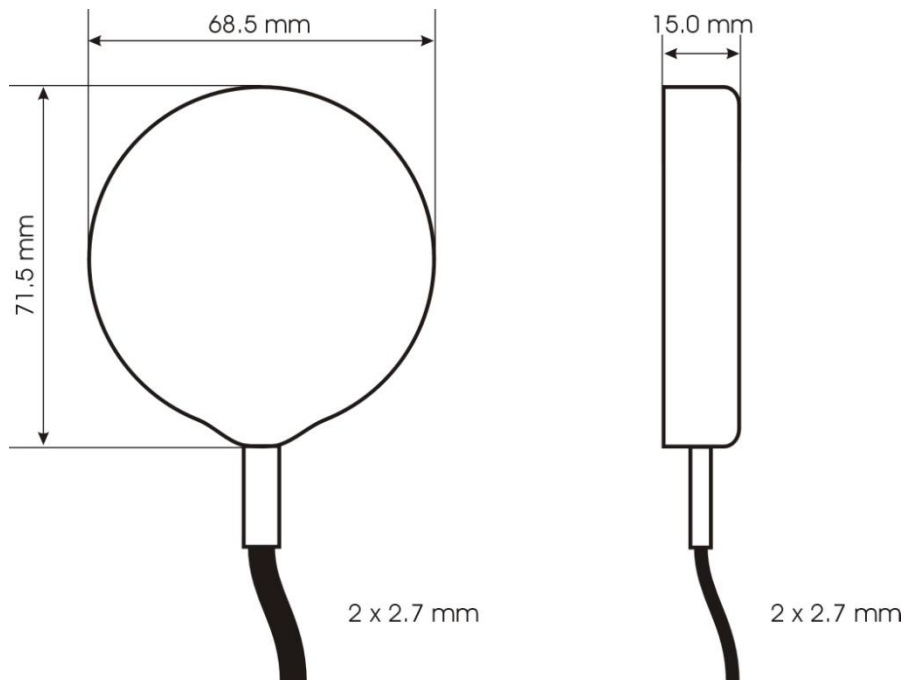
### GPS

Frequency	1575.42 MHz
VSWR	1.5 typ.
Peak Gain	0 dBi typ.

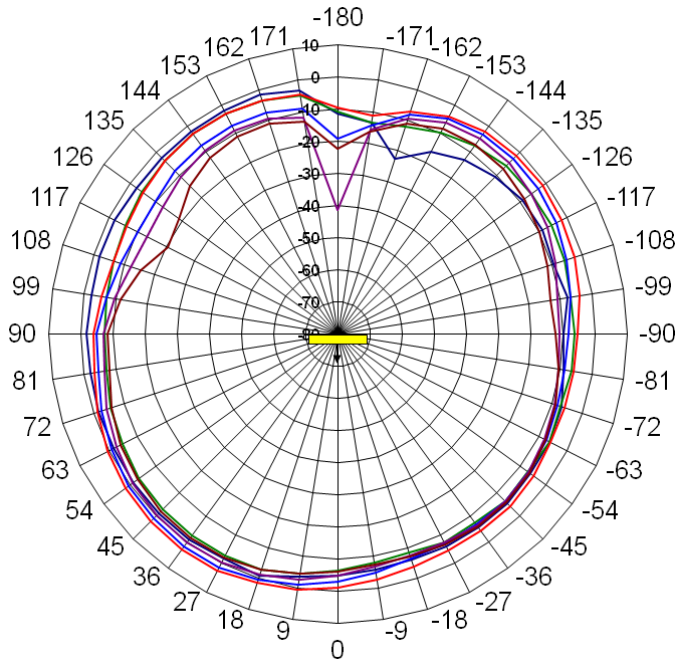
\* Measured with 0.6m cable on 30x30cm ground plane

## Mechanical Data

Dimensions (ØxH)	ca. 70 mm x 15 mm
Temperature Range	-40°C to +85°C (operating temperature)
Connection (Standard)	ca. 3m connecting cable RG174 with GSM/FME(f); GPS/SMA(m) Other cablelengths and connectors see ordering example and connector list in Internet

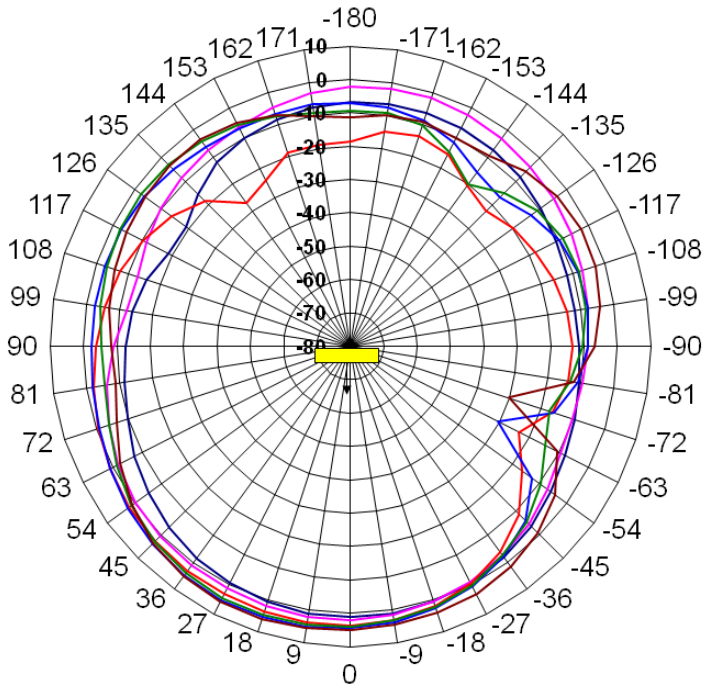


**Radiation diagram (typ.)\***



**GSM 900 MHz**  
Peak Gain: +1 dBi

- 820
- 848
- 876
- 904
- 932
- 960



**GSM 1800 MHz**  
Peak Gain: +3 dBi

- 1710
- 1788
- 1866
- 1944
- 2022
- 2100

**GSM 2100 MHz**  
Peak Gain: +4 dBi

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

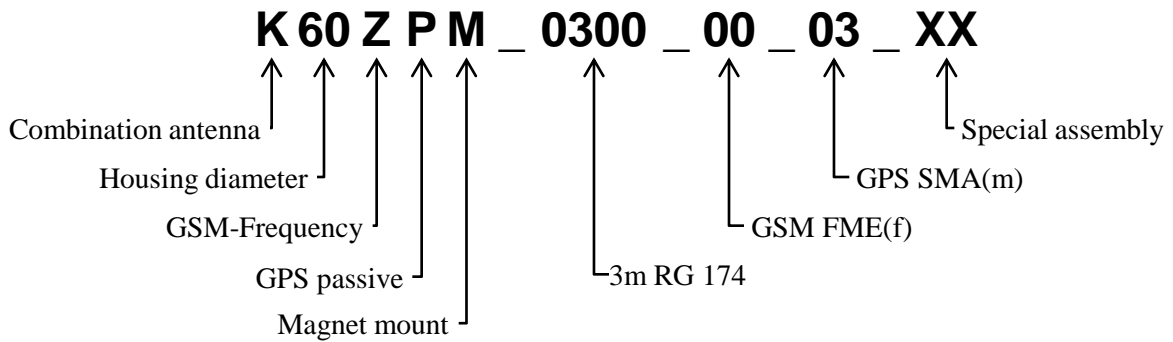
## Accrediation

<input type="checkbox"/>	E-Code	<b>e 13</b> 02 1510	high gain (A)
<input type="checkbox"/>	E-Code	<b>e 13</b> 02 1509	low gain (L)
<input type="checkbox"/>	E-Code	<b>e 13</b> 03 6371	low current (V)

## Mounting Instructions

- To avoid mechanical stress the antenna should not be attached on doors or flaps.
- No extra ground planes are necessary for this antenna (ground plane inside).
- Mountable on all clean, smooth, stainless and magnetisable surfaces.

## Ordering example



## Warranty

The lawful warranty conditions apply.