

Planar Combination Antenna K60ELM

GSM 900 / 1800 MHz + GPS low gain

Magnet Mount



- **Magnet mounting antenna waterproof IP68**
- **3 Neodym magnets for optimal fixing**
- **Our products are RoHS- and REACH-conform**



Technical Data

GSM

Frequency Range	900/1800 MHz
VSWR*	< 2.0
Peak Gain*	+2 dBi typ. (900 MHz) -1 dBi typ. (1800 MHz)

Power max. 10 W

GPS

Frequency	1575.42 MHz
VSWR	1.5 typ.
Peak Gain	20 dBi typ.
Power Supply	3V to 5V; 12mA typ.

V_{DD} max. +10V_{DC}

Input Power max. +17dBm

Current max. 30mA

* Measured with 0.6m cable on 30x30cm ground plane

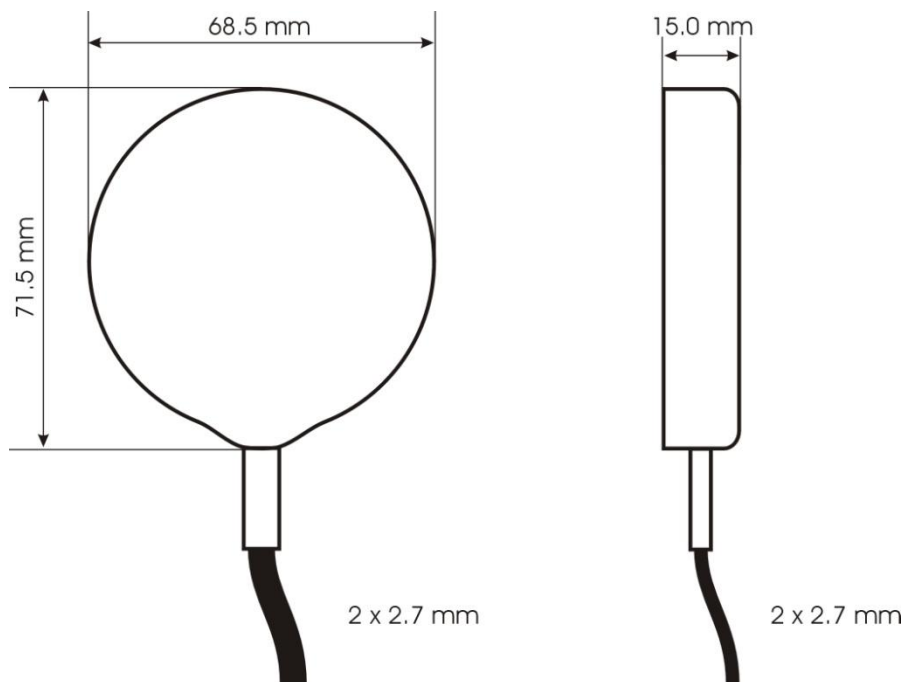
Mechanical Data

Dimensions (ØxH) ca. 70 mm x 15 mm

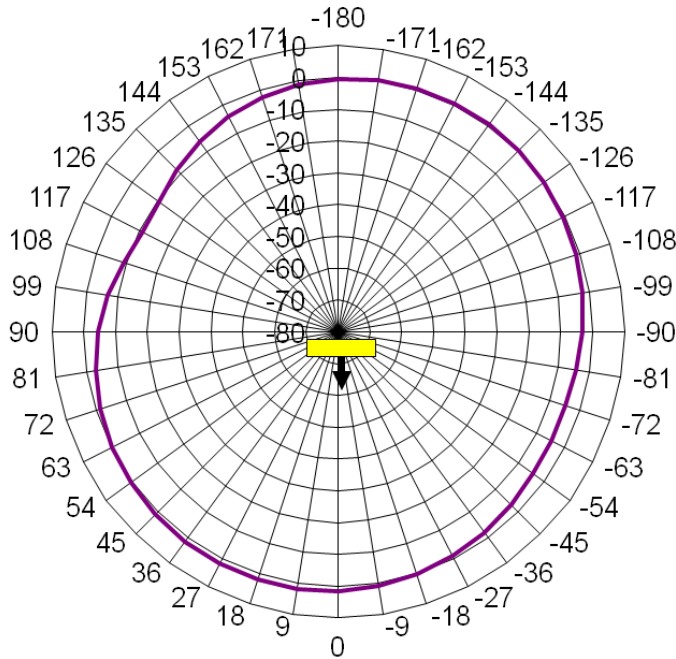
Temperature Range -40°C to +85°C (operating temperature)

Connection (Standard) ca. 3m connecting cable RG174 with GSM/FME(f); GPS/SMA(m)

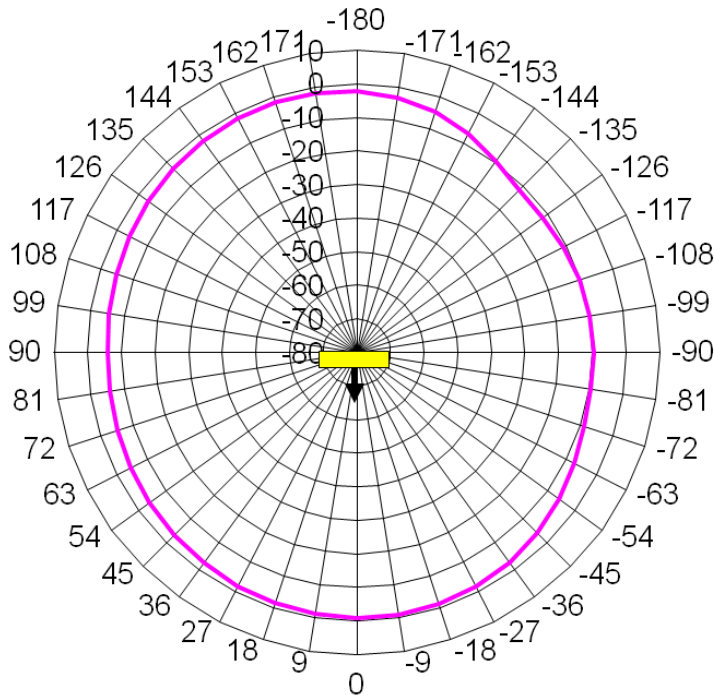
Other cablelengths and connectors see ordering example and connector list in Internet



Radiation diagram (typ.)*



GSM 900 MHz
Peak Gain: +2 dBi



GSM 1800 MHz
Peak Gain: -1 dBi

* Measured with 0.6m cable on 30x30cm ground plane

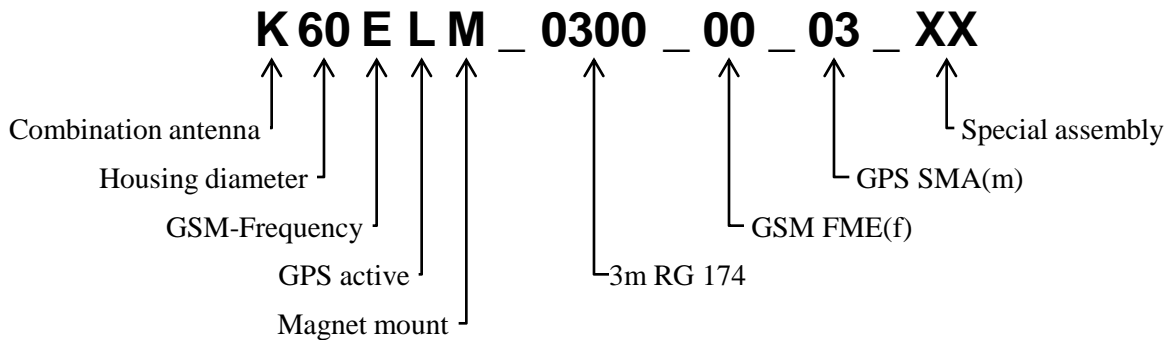
Accrediation

<input type="checkbox"/>	E-Code	e 13 02 1510	high gain (A)
<input checked="" type="checkbox"/>	E-Code	e 13 02 1509	low gain (L)
<input type="checkbox"/>	E-Code	e 13 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.