

Planar Mobile Communications Antenna M70EXR

GSM 900 / 1800 MHz

Roof Mount



- **Waterproof TÜV passed IP69K mounted**
- **Antenna available in black, white and blue other colours on demand**
- **Our products are RoHS- and REACH-conform**



Technical Data

GSM

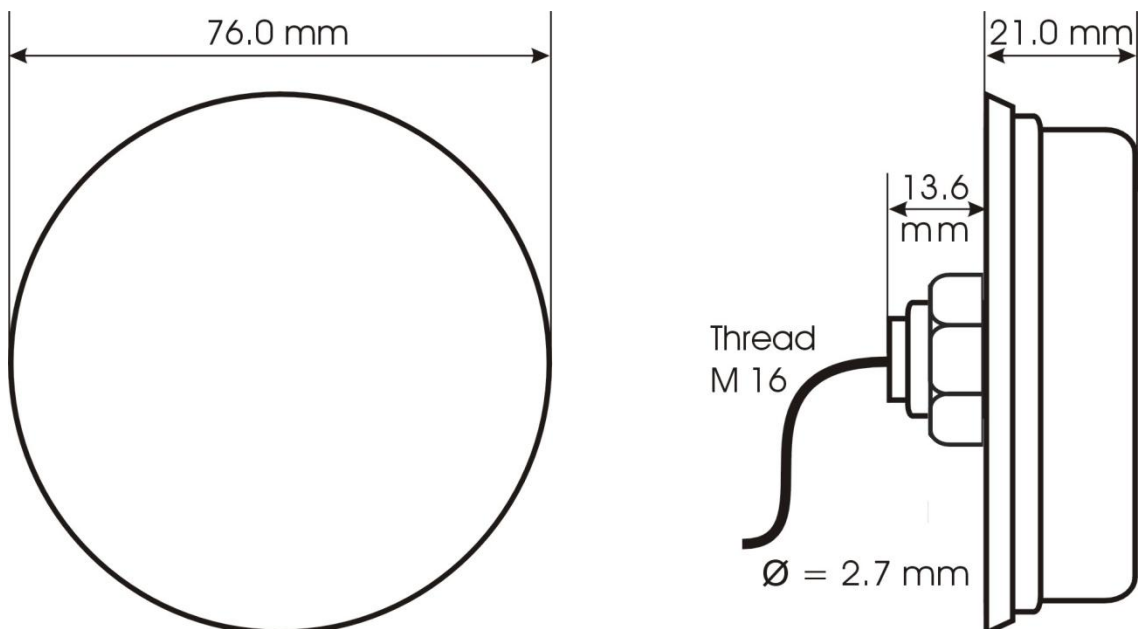
Frequency Range	900/1800 MHz
VSWR*	< 2.0 typ.
Peak Gain*	+2 dBi typ. (900 MHz) -1 dBi typ. (1800 MHz)

Power max. 10 W

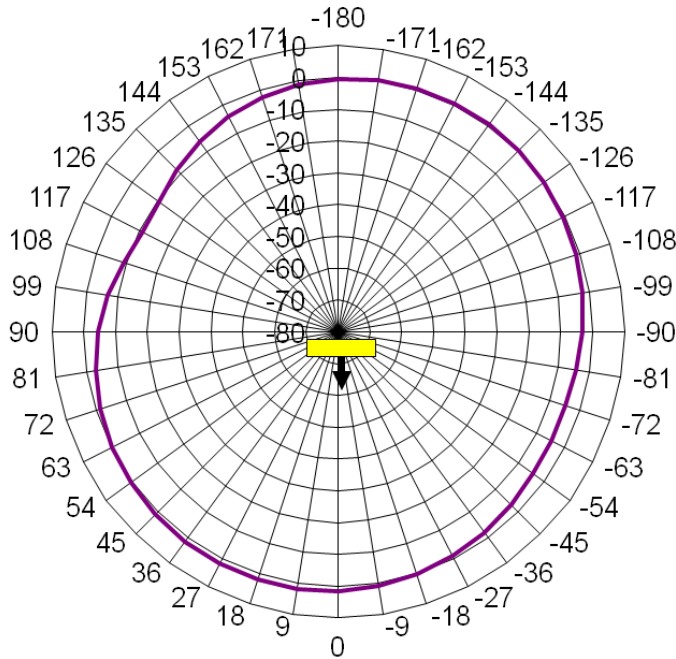
* Measured with 0.6m cable on 30x30cm ground plane

Mechanical Data

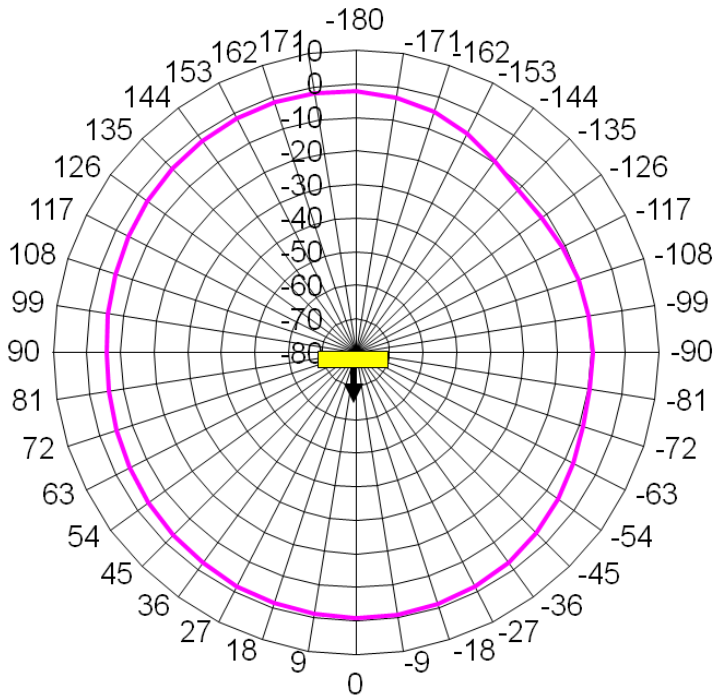
Dimensions (ØxH)	ca. 76 mm x 21 mm
Temperature Range	-40°C to +85°C (operating temperature)
Connection (Standard)	ca. 3m connecting cable RG174 with GSM/FME(f) Other cablelengths and connectors see ordering example and connector list in Internet



Radiation diagram (typ.)*



GSM 900 MHz
Peak Gain: +2 dBi



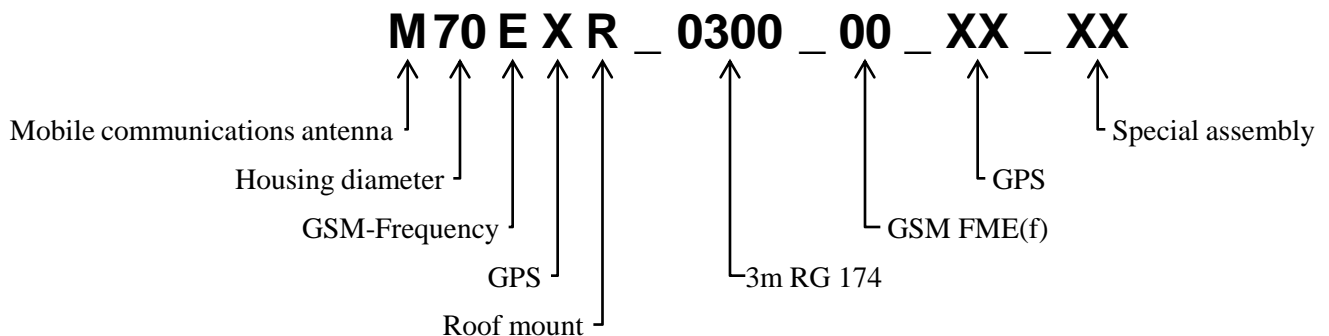
GSM 1800 MHz
Peak Gain: -1 dBi

* Measured with 0.6m cable on 30x30cm ground plane

Mounting Instructions

- No extra ground planes are necessary for this antenna (ground plane inside).
- Mountable on all clean, smooth and rust free surfaces.
- Tightening torque on M16 nut is min. 4Nm to max. 6Nm
- Mountening bore hole is Ø 16mm (+2mm/-0mm)
- Alternatively the bottom is available as aluminum diecast with tightening torque 12 Nm to max. 15 Nm (AL).
- Mounting on a separate support possible, if the cable entrance is watertide.
- Antenna available with waterproof cable entrance (PW or AW).

Ordering example



Warranty

The lawful warranty conditions apply.