

## Planar Combination Antenna F70XAR

WLAN 2400 / 5300 MHz + GPS high gain

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

### WLAN

Frequency Range	2400/5300 MHz
VSWR*	< 2.0 typ.
Peak Gain*	+4 dBi typ. (2400 MHz) +1 dBi typ. (5300 MHz)

Power max. 10 W

### GPS

Frequency	1575.42 MHz
VSWR	1.5 typ.
Peak Gain	25 dBi typ.
Power Supply	3V to 5V; 25mA typ.

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V <sub>DD</sub> max.	+10V <sub>DC</sub>
Input Power max.	+17dBm
Current max.	30mA

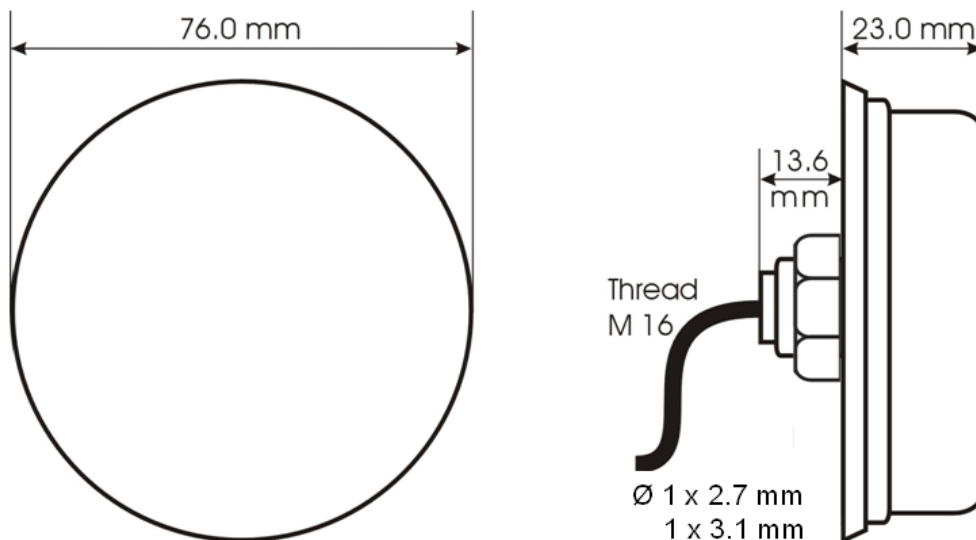
\* Measured with 0.6m cable on 30x30cm ground plane

## Mechanical Data

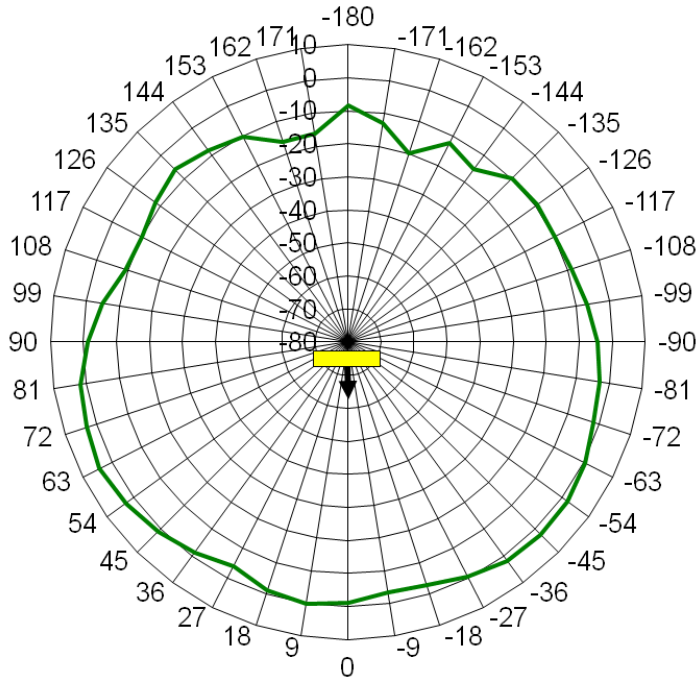
Dimensions (ØxH) ca. 76 mm x 21 mm

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

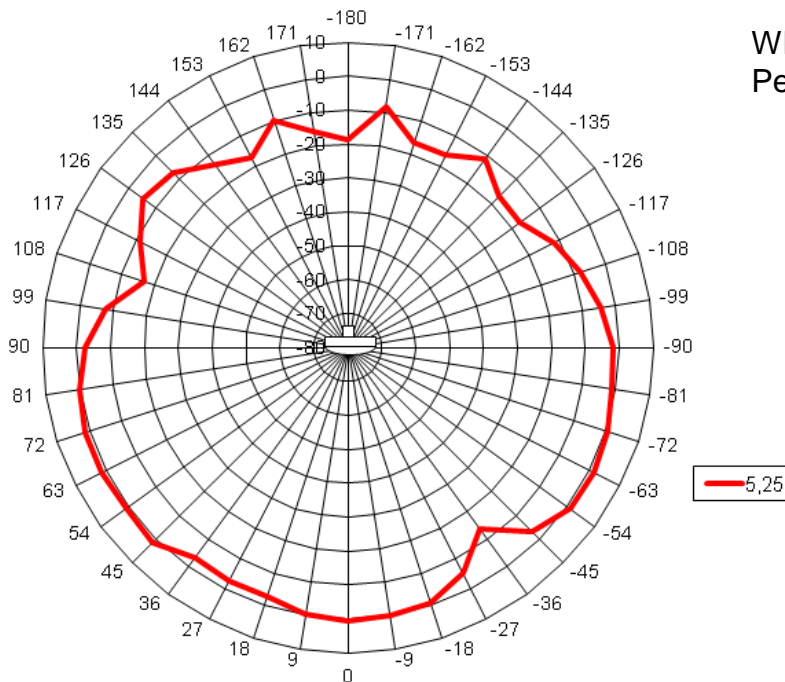
Connection (Standard) ca. 3m connecting cable RG174 low loss with WLAN/SMA(m);  
ca. 3m connecting cable RG174 with GPS/SMA(m)  
Other cablelengths and connectors see ordering example and connector list in Internet



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



WLAN 2400 MHz  
Peak Gain: +4 dBi



WLAN 5300 MHz  
Peak Gain: +1 dBi

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

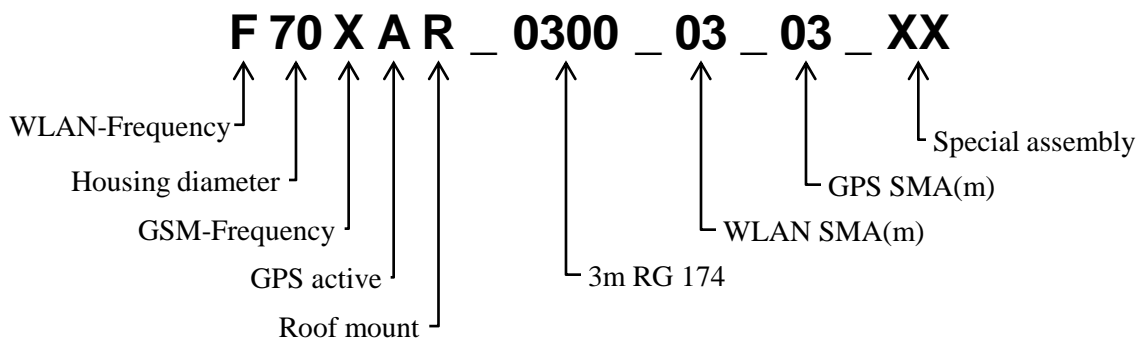
## Accrediation

<input checked="" 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

- 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.