

## Planar Combination Antenna F60XAD

WLAN 2400/5300 MHz + GPS high gain

Desk Mount



- **No changes and modifications on the body**
- **Mounting by adhesive bonding possible on non-metallic surfaces (adhesive bonding antenna)**
- **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)<br>+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. |

$V_{DD}$  max. +10V<sub>DC</sub>

Input Power max. +17dBm

Current max. 30mA

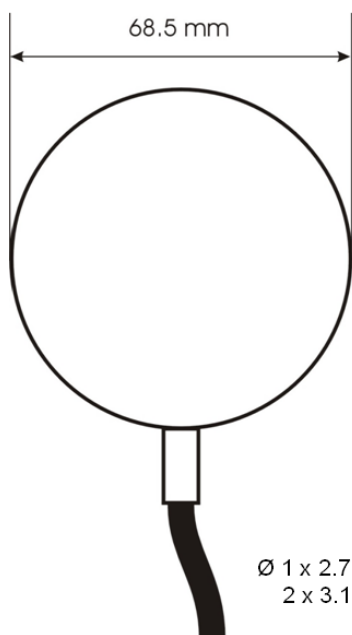
\* Measured with 0.6m cable on 30x30cm ground plane

## Mechanical Data

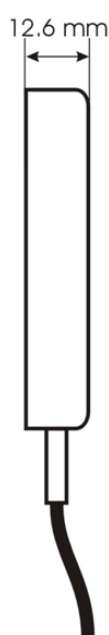
Dimensions (ØxH) ca. 68 mm x 12 mm

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 GPS/SMA(m)  
Other cablelengths and connectors see ordering example and connector list in Internet

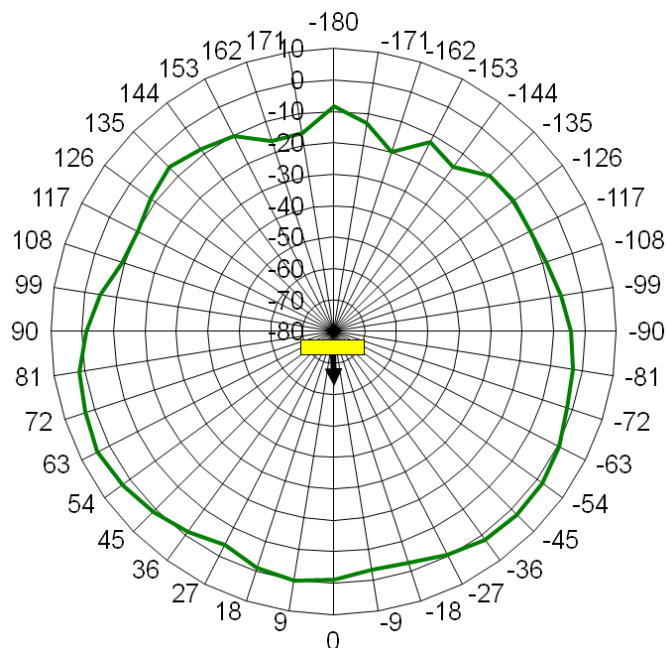


Ø 1 x 2.7 mm  
2 x 3.1 mm

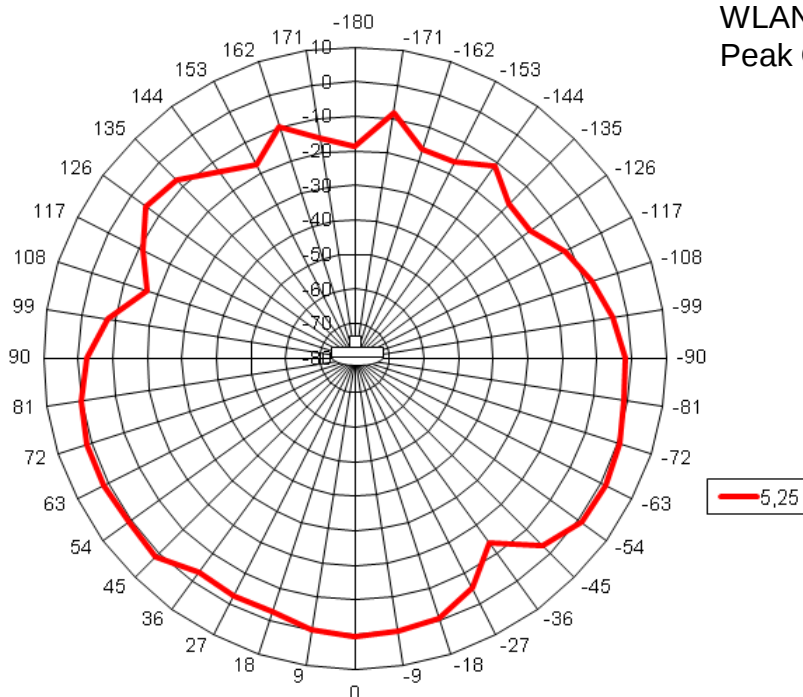


Ø 1 x 2.7 mm  
2 x 3.1 mm

## 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

## Accreditation

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

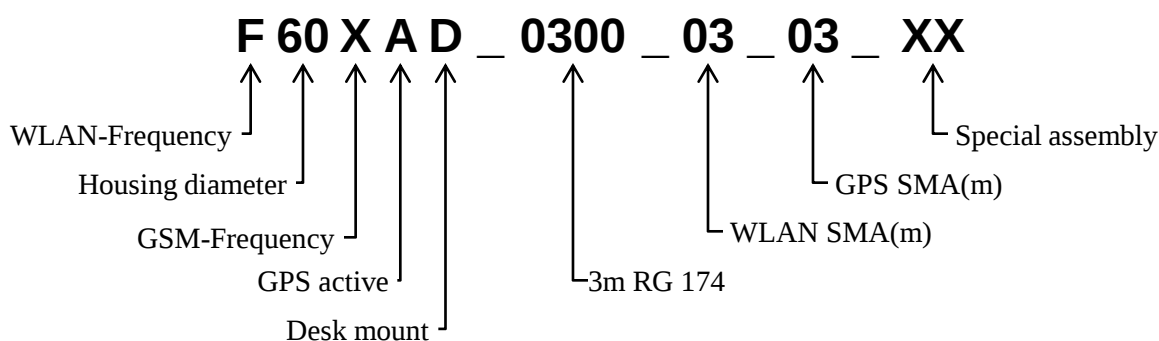
## Mounting Instructions

- 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 and stainless surfaces.
- Don't stick the antenna under +10°C to get an optimal adhesion of the sticker.
- Clean seating nonfat before sticking by using the delivered cleaning cloth.
- First remove protection foil on one side of the sticker and stick it on the seating, avoid formation of bubbles.
- Now the other protection foil has to be removed from the sticker. Stick the antenna on with it's level side and advantage direction (cable pointing below) and apply sufficient pressure.

**Delivery includes:** Sticker; cleaning cloth with isopropanol

**Important:** Before sticking please test the adhesive bonding possibility of the material!

## Ordering example



## Warranty

The lawful warranty conditions apply.