

## Planar Combination Antenna Y70CPR

Roof Mount

WLAN 5300 MHz + WLAN 2400 MHz + GPS passive



- **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*      | 0 dBi typ. (2400 MHz)<br>+1 dBi typ. (5300 MHz) |

|            |      |
|------------|------|
| Power max. | 10 W |
|------------|------|

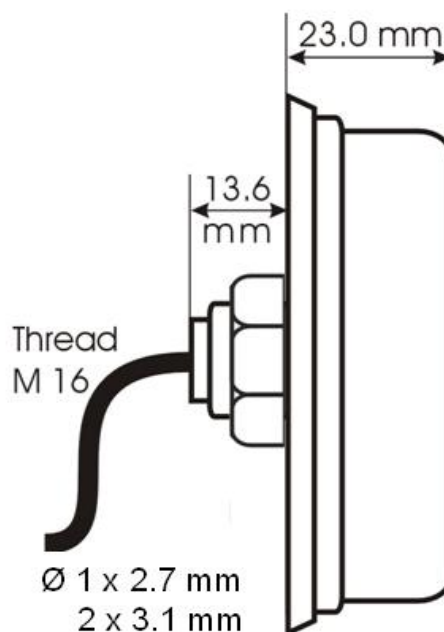
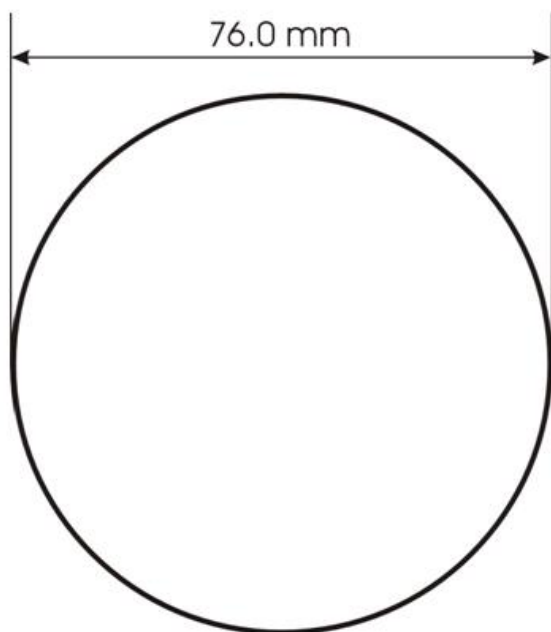
### GPS

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

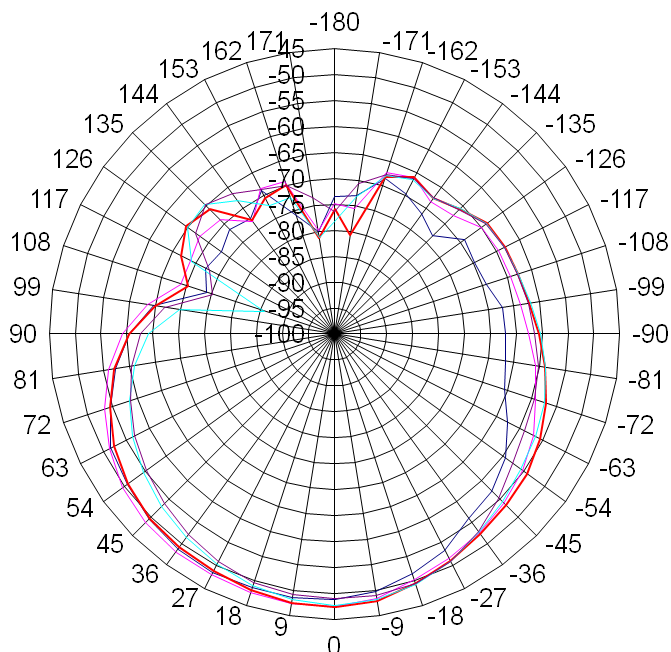
\* Measured with 0.6m cable on 30x30cm ground plane

## Mechanical Data

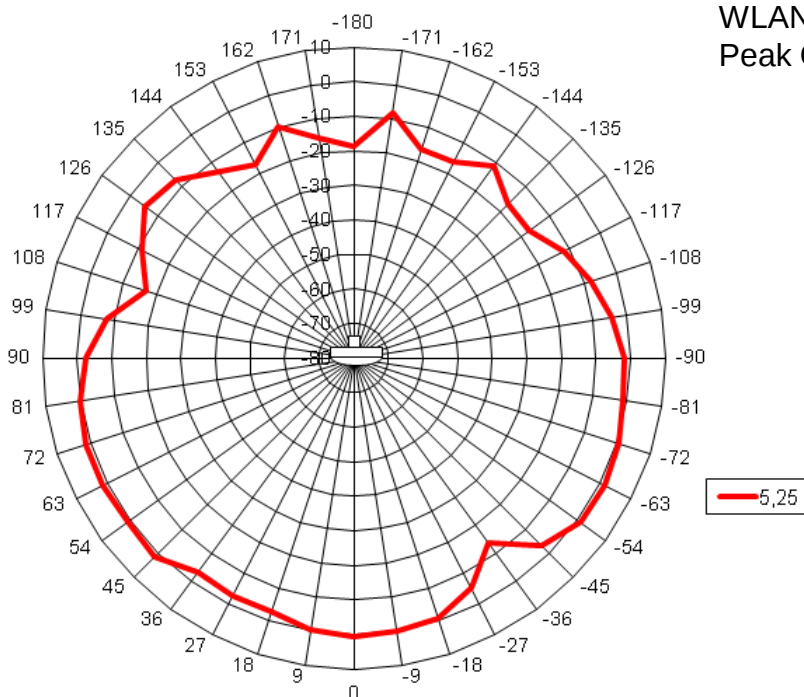
|                       |                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions (ØxH)      | ca. 76 mm x 23 mm                                                                                                                                                                                 |
| Temperature Range     | -40°C to +85°C (operating temperature)                                                                                                                                                            |
| Connection (Standard) | ca. 3m connecting cable RG174 with GPS/SMA(m)<br>ca. 3m connecting cable RG174 low loss with WLAN/SMA(m)<br>Other cablelengths and connectors see ordering example and connector list in Internet |



## Radiation diagram (typ.)\*



WLAN 2400 MHz  
Peak Gain: 0 dBi



WLAN 5300 MHz  
Peak Gain: +1 dBi

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

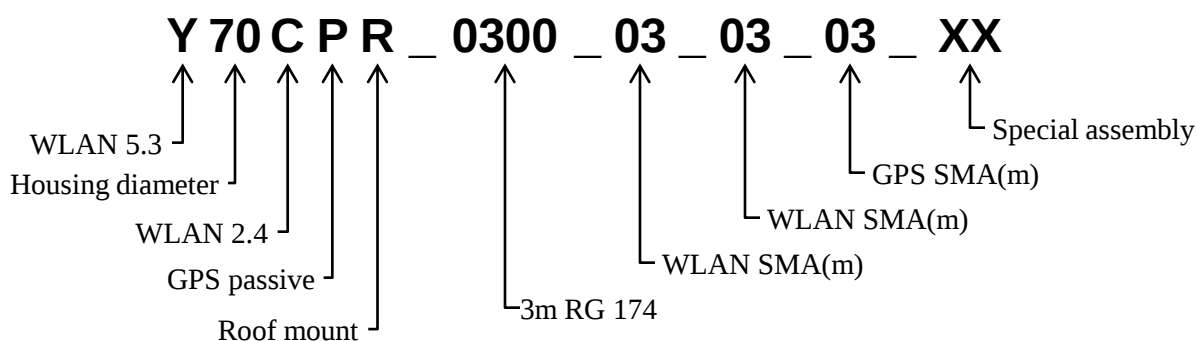
## Accrediation

|                          |        |                     |                 |
|--------------------------|--------|---------------------|-----------------|
| <input 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

- 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.