

Planar Combination Antenna C70CVR

Double WLAN 2400 MHz + GPS low current

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 MHz |
| VSWR* | < 2.0 typ. |
| Peak Gain* | +4 dBi typ. (WLAN 3) 0 dBi typ. (WLAN 1) |
| Power max. | 10 W |

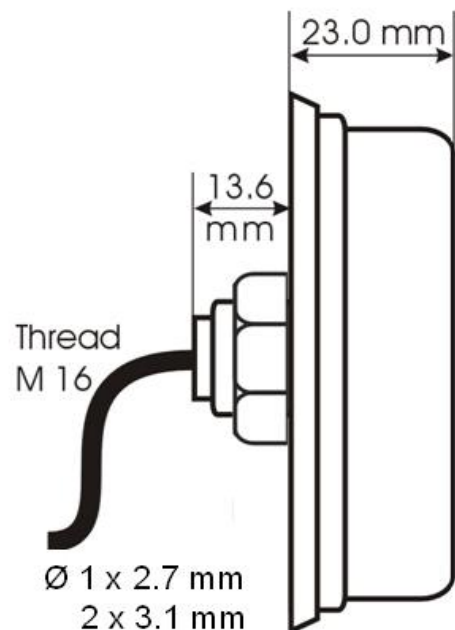
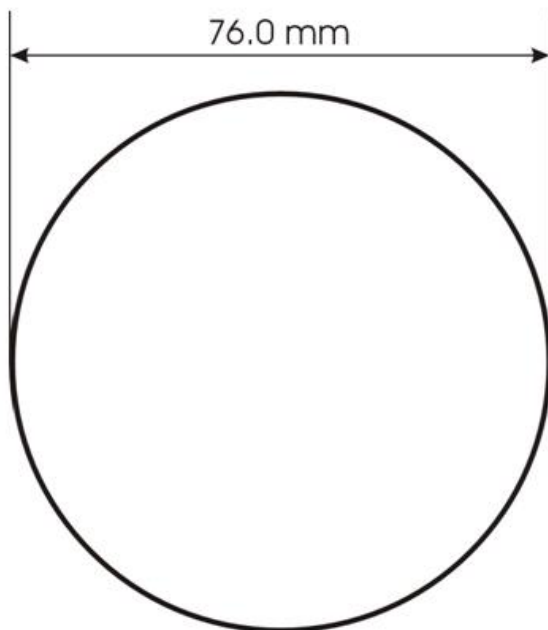
GPS

| | |
|----------------------|-------------------|
| Frequency | 1575.42 MHz |
| VSWR | 1.5 typ. |
| Peak Gain | 18 dBi typ. |
| Power Supply | 3V ±10%; 4mA typ. |
| V _{DD} max. | 4.0V |
| Input Power max. | +10dBm |
| Current max. | 4.5mA |

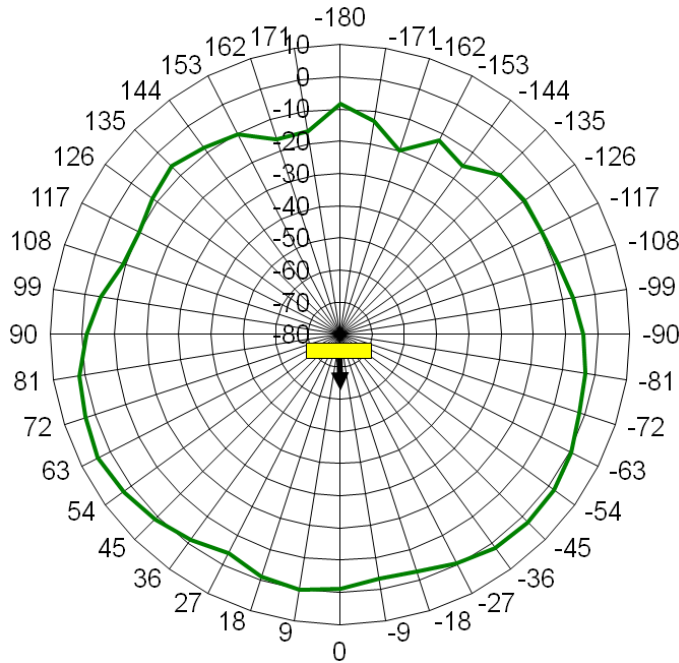
* Measured with 0.6m cable on 30x30cm ground plane

Mechanical Data

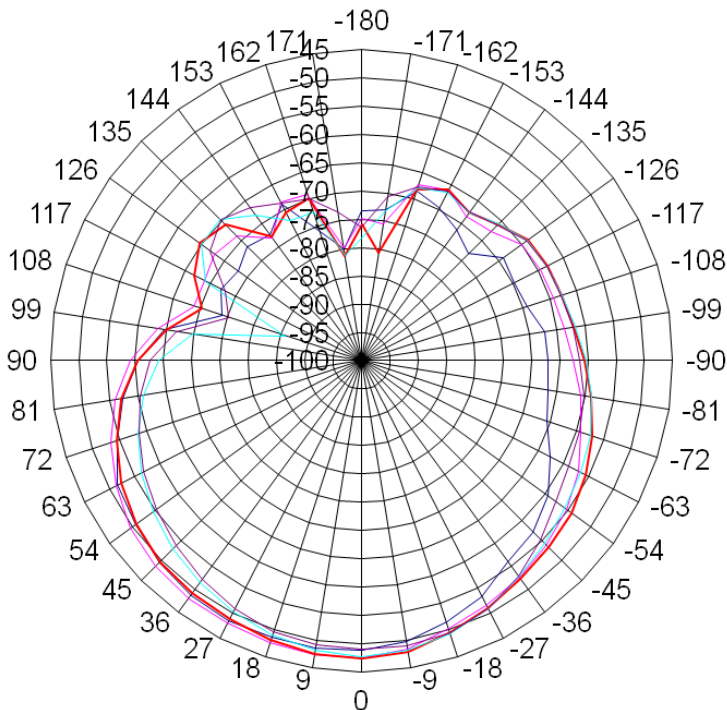
| | |
|-----------------------|---|
| Dimensions (ØxH) | ca. 76 mm x 23 mm |
| Temperature Range | -40°C to +85°C (operating temperature) |
| Connection (Standard) | ca. 3m connecting cable RG174 with GPS/SMA(m) ca. 3m connecting cable RG174 low loss with WLAN/SMA(m) Other cablelengths and connectors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



Radiation diagram (typ.)*



WLAN 3 2400 MHz
Peak Gain: +4 dBi



WLAN 1 2400 MHz
Peak Gain: 0 dBi

* Measured with 0.6m cable on 30x30cm ground plane

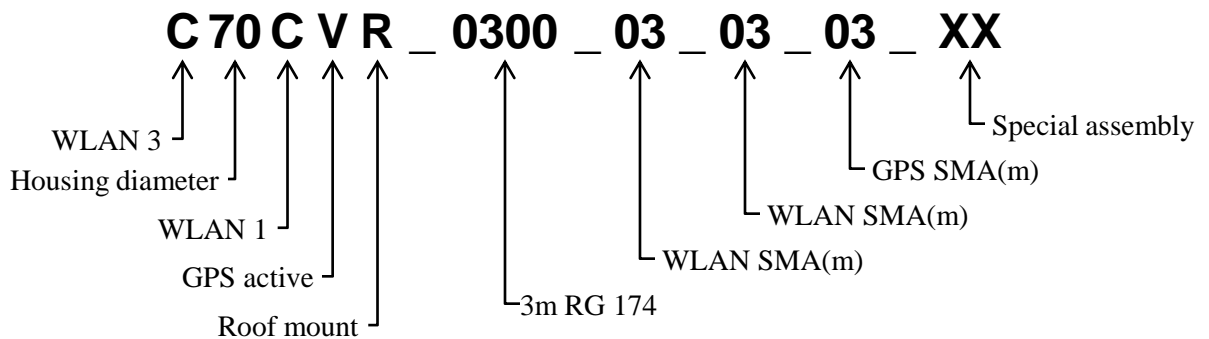
Accrediation

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