

Planar Combination Antenna C60ZFW

Window Mount

GSM 850/900/1800/1900 MHz + UMTS + WLAN 2400 MHz +
WLAN 2400/5300 MHz



- Mountable on glass and non-metallic materials
- No changes and modifications on the body
- Mounting by adhesive bonding possible on non-metallic surfaces (adhesive bonding antenna)
- Including 868 MHz – services and DECT
- Our products are RoHS- and REACH-conform



Technical Data

GSM

Frequency Range	850/900/1800/1900 + 2100 MHz
VSWR*	< 2.0 typ.
Peak Gain*	+5 dBi typ. (900 MHz) +3 dBi typ. (1800MHz) +1 dBi typ. (2100 MHz)
Power max.	10 W
Diagnostic resistor	10 k Ω (others on request)

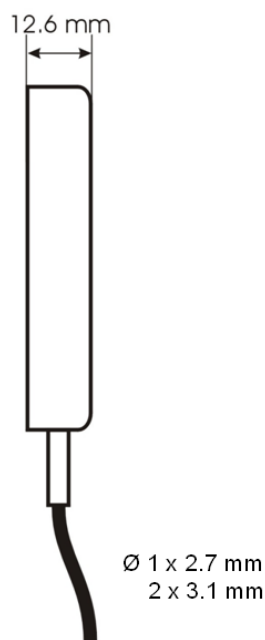
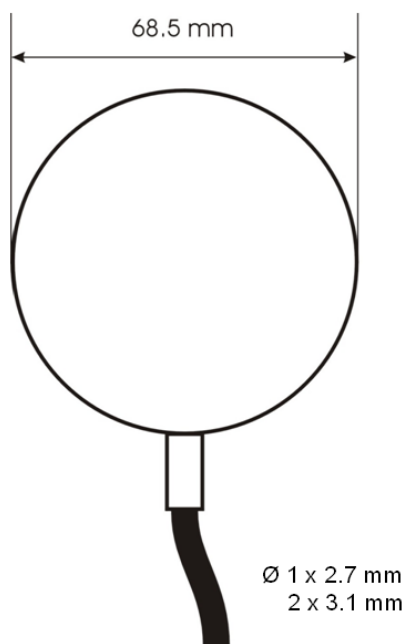
WLAN

Frequency Range	2400/5300 MHz
VSWR*	< 2.0 typ.
Peak Gain*	+4 dBi typ. (2400 MHz WLAN 3) +4 dBi typ. (2400 MHz WLAN 2) +1 dBi typ. (5300 MHz WLAN 2)
Power max.	10 W

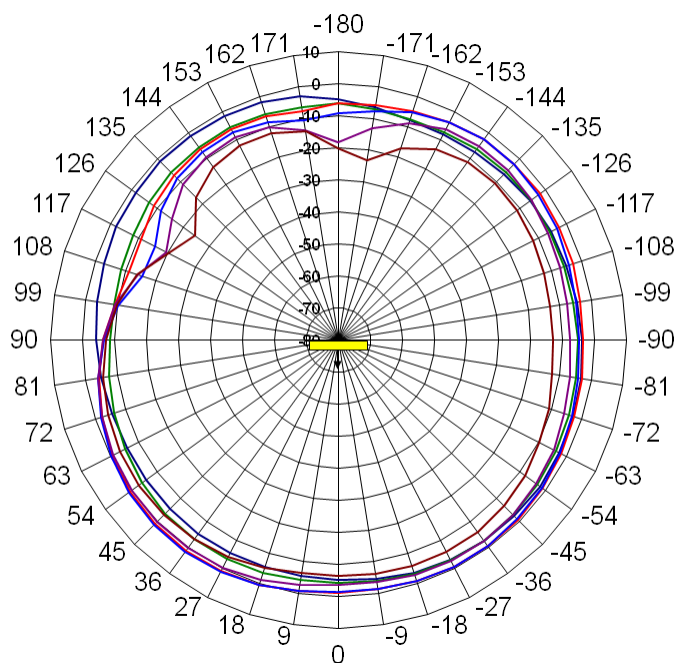
* Measured with 0.6m cable on 30x30cm ground plane

Mechanical Data

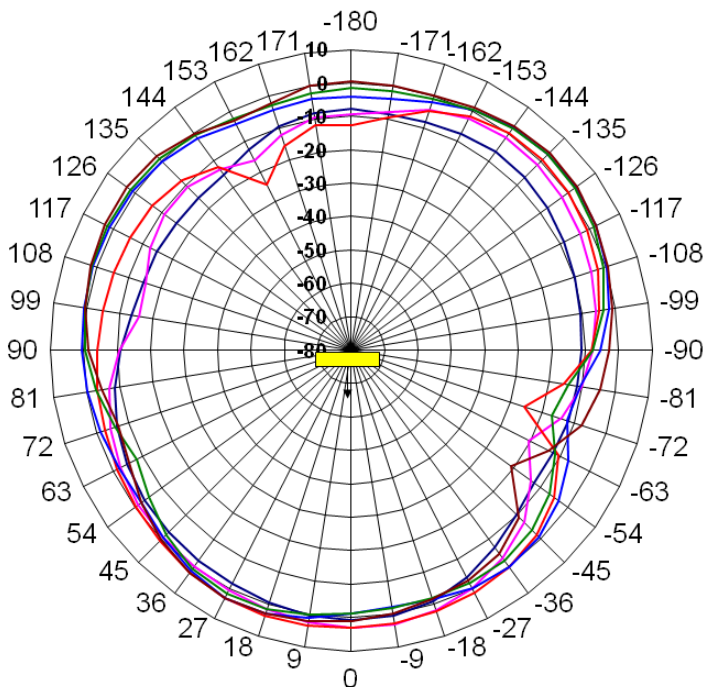
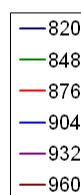
Dimensions (ØxH)	ca. 68 mm x 12 mm
Temperature Range	-40°C to +85°C (operating temperature)
Connection (Standard)	ca. 3m connecting cable RG174 with GSM/FME(f); GPS/SMA(m) Ca. 3m connecting cable RG174 low loss with WLAN/SMA(m) Other cablelengths and connectors see ordering example and connector list in Internet



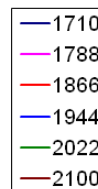
Radiation diagram (typ.)*



GSM 900 MHz
Peak Gain: +2 dBi



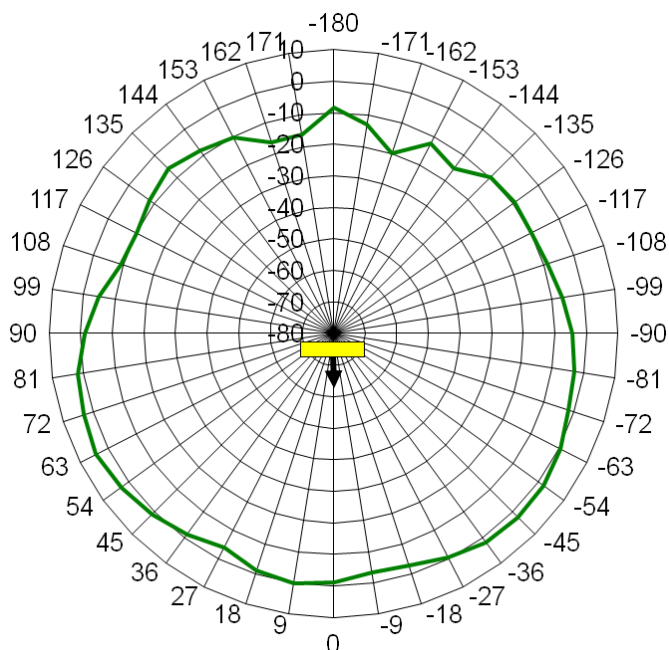
GSM 1800 MHz
Peak Gain: +3 dBi



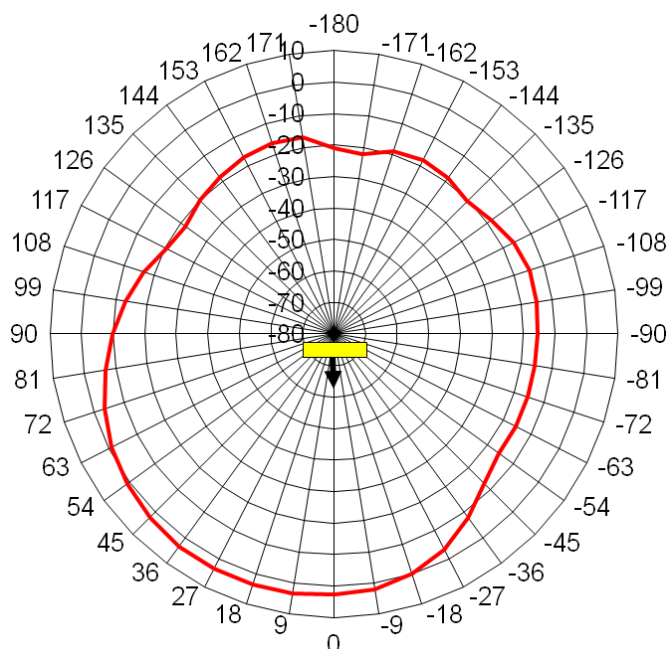
GSM 2100 MHz
Peak Gain: +1 dBi

* Measured with 0.6m cable on 30x30cm glass pane

Radiation diagram (typ.)*



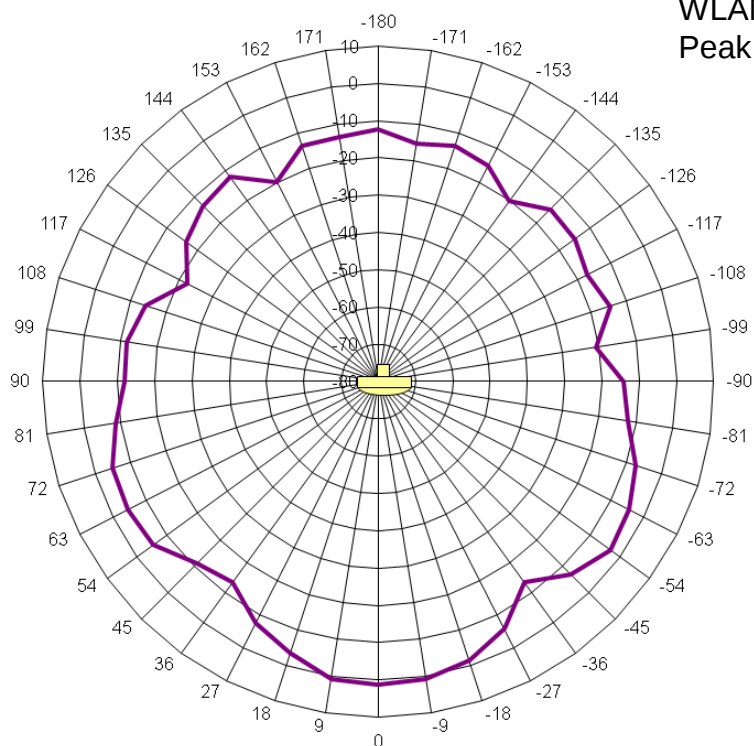
WLAN 3 2400 MHz
Peak Gain: +4 dBi



WLAN 2 2400 MHz
Peak Gain: +4 dBi

* Measured with 0.6m cable on 30x30cm ground plane

Radiation diagram (typ.)*



* Measured with 0.6m cable on 30x30cm ground plane

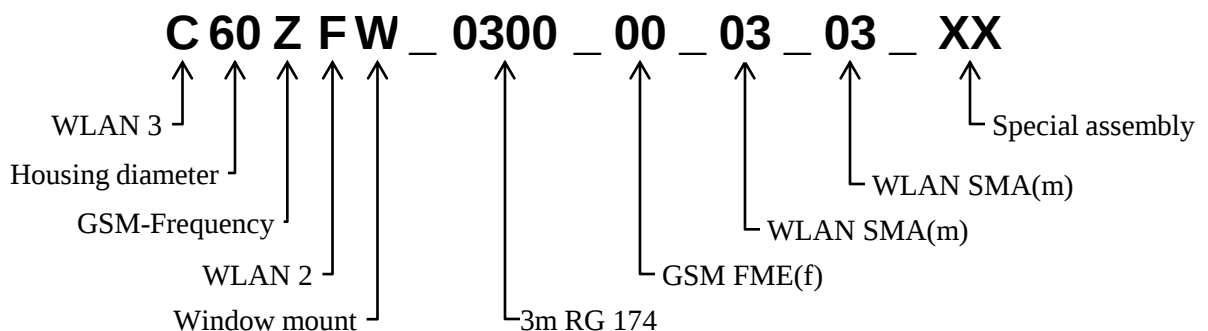
Mounting Instructions

- 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).
- The Operation of the antenna is only guaranteed by installation with the delivered sticker.
- Mountable on all clean, smooth and stainless surfaces.
- Mountable on glass and non-metallic materials.
- 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.