

2.4 W-LAN 03-360/N OMNIDIRECTIONAL ANTENNA 3 dBi W-LAN 2.4 GHz



ELECTRICAL DATA

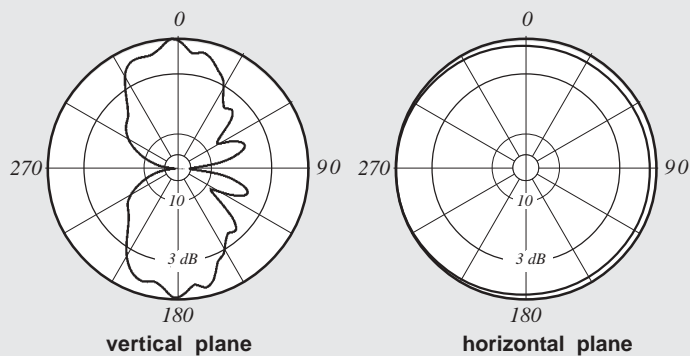
ANTENNA TYPE	2.4 W-LAN 03-360/N
FREQUENCY RANGE	2.4 ÷ 2.485 GHz
IMPEDANCE	50 ohm
CONNECTOR	N f
MAX POWER	10 W
VSWR	≤ 1.5
POLARIZATION	Vertical
GAIN	3 dBi
HALF POWER BEAMWIDTH	
Vertical plane	60°
Horizontal plane	360°

MECHANICAL DATA

DIMENSIONS	137 x ø 16 mm
WEIGHT	90 g
WIND SURFACE	0.002 m ²
WIND LOAD	2 N (wind speed 150 Km/h)
RADOME COLOUR	Grey (std.) others on request
MOUNTING	One hole mounting (16 mm diameter) to surfaces of max. 10 mm thickness
ICING PROTECTION	Full radome
PACKING	Plastic bag



RADIATION PATTERNS (mid band)



ADDITIONAL INFORMATION



Materials:

Antenna base: Weather-proof aluminium.
Fiberglass radome: The grey fiberglass radomes of these antennas are very stable and extraordinarily stiff. They are resistant to ultraviolet radiation and can also be painted to match their surroundings.

Grounding:

All metal parts of the antenna are DC grounded.
The inner conductor is not DC grounded.

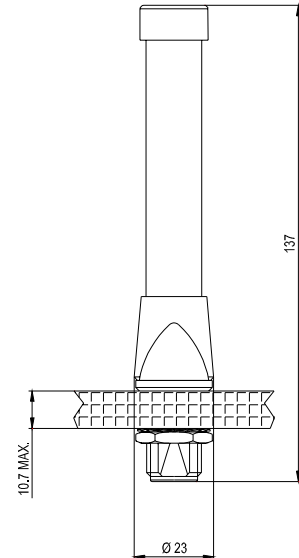
Environmental conditions:

SIRA cellular antennas are designed to operate under the environmental conditions as described in ETS 300 019-1-4 class 4.1 E.

Ice protection: Due to the very sturdy antenna construction and the protection of the radiating system by the radome, the antenna remains operational even under icy conditions.

Environmental tests:

SIRA antennas have passed environmental tests as recommended in ETS 300 019-2-4.



PLEASE NOTE:

As a result of more stringent legal regulations and judgements regarding product liability, we are obliged to point out certain risks that may arise when products are used under extraordinary operating conditions.

The mechanical design is based on the environmental conditions as stipulated in ETS 300 019-1-4, which include the static mechanical load imposed on an antenna by wind at maximum velocity.

Extraordinary operating conditions, such as heavy icing or exceptional dynamic stress (e.g. strain caused by oscillating support structures), may result in the breakage of an antenna or even cause it to fall to the ground. These facts must be considered during the site planning process.

The installation team must be properly qualified and also be familiar with the relevant national safety regulations.

The details given in our data sheets have to be followed carefully when installing the antennas and accessories.

The limits for the coupling torque of RF-connectors, recommended by the connector manufactures must be obeyed.