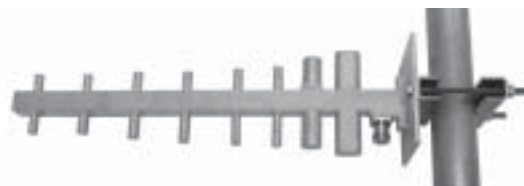


DBY3G 13-50 BROAD BAND YAGI ANTENNA DCS/UMTS 1710-2170 MHz



ELECTRICAL DATA

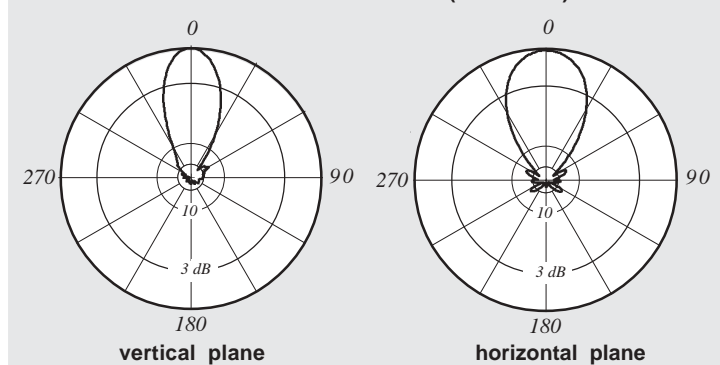
ANTENNA TYPE	DBY3G 13-50
FREQUENCY RANGE	1710 ÷ 2170 MHz
IMPEDANCE	50 ohm
CONNECTORS	N f
MAX POWER	100 W
VSWR	≤ 1.4
POLARIZATION	Vertical / Horizontal / +/- 45°
GAIN	13 dBi (DCS), 13.5 dBi (UMTS)
HALFPOWERBEAMWIDTH	With vertical polarization:
Vertical plane	30°
Horizontal plane	55° (DCS), 45°(UMTS)
FRONT TO BACK	≥ 25 dB



MECHANICAL DATA

DIMENSIONS	379 x 100 x 20 mm
WEIGHT	0.83 Kg
WIND LOAD	18 N
MOUNTING	On wall or on pole
PACKING	430 x 110 x 110 mm

RADIATION PATTERNS (mid band)



ADDITIONAL INFORMATION



ACCESSORIES

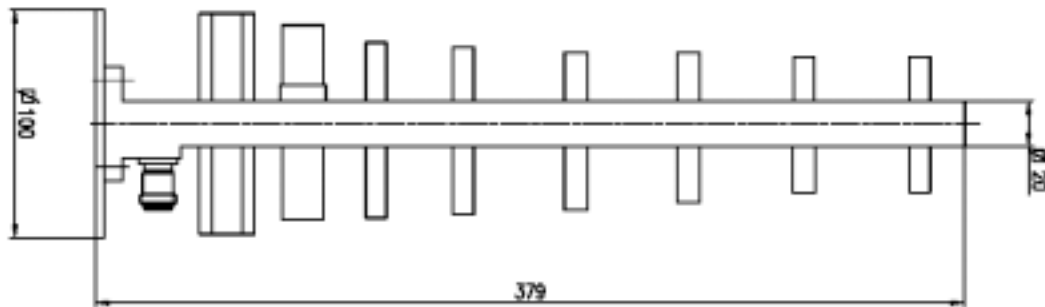
Clamps included for pole mounting (pole: 10-50 mm diameter)

Materials: **Antenna body:** Weather-proof aluminium.
All screws and nuts: Stainless steel.

Grounding: All metal parts of the antenna including the mounting kit are 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.

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.