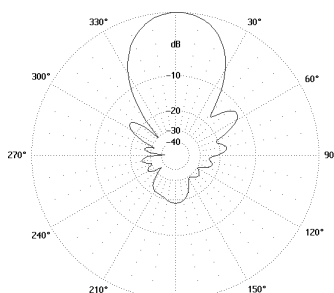
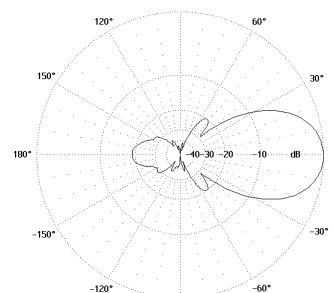


## Description

BD 301 directional base antenna is designed for mobile and data radio networks.



Radiation pattern – H plane



Radiation pattern – E plane

## Technical Specifications

|                            |      |   |
|----------------------------|------|---|
| Type                       |      | BD 301  |
| Frequency range            | MHz  | 300 ÷ 344   |
| Type of antenna            |      | YAGI  |
| Gain                       | dBi  | 10.5 ÷ 14.0   |
| Radiation pattern          |      | directional   |
| Beamwidth – H plane        | °    | 42 ÷ 52   |
| Beamwidth – E plane        | °    | 39 ÷ 51   |
| Front-to-back ratio        | dB   | 18 ÷ 26   |
| Polarization               |      | vertical  |
| Impedance                  | Ω    | 50  |
| VSWR                       |      | < 1.5   |
| Maximum input power        | W    | 150   |
| Grounding                  |      | all metal parts of antenna including mounting kit are DC grounded         |
| Material of antenna        |      | lacquered aluminium alloy, plastic, stainless steel                       |
| Antenna holder             | mm   | RCAK 400 52 – Ø 35 ÷ 76 (standard)  |
|                            |      | RCAK 400 44 – Ø 60 ÷ 90   |
|                            |      | RCK 100 001 – Ø 90 ÷ 120  |
| Material of holder         |      | aluminium alloy, hot-dip zinc steel; all screws and nuts: stainless steel |
| Weight of antenna / holder | kg   | 2.4 / 0.5   |
| Maximum wind velocity      | km/h | 160   |
| Wind load (at 160 km/h)    | N    | 135   |
| Dimensions l × h           | mm   | 2371 × 520  |
| Connector type             |      | N female  |