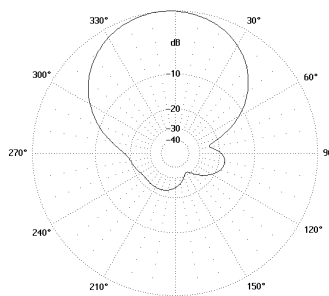
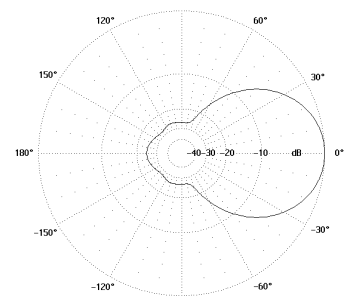


Description

BD 402 and BD 402A directional base antennas are designed for mobile and data radio networks.



Radiation pattern – H plane



Radiation pattern – E plane

Technical Specifications

| Type | | BD 402 | BD 402A |
|----------------------------|------|---|------------|
| Frequency range | MHz | 440 ÷ 470 | 400 ÷ 430 |
| Type of antenna | | YAGI | |
| Gain | dBi | 10 | |
| Radiation pattern | | directional | |
| Beamwidth – H plane | ° | 71 ÷ 80 | |
| Beamwidth – E plane | ° | 53 ÷ 58 | |
| Front-to-back ratio | dB | 18 ÷ 20 | |
| 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 | 1.2 / 0.5 | |
| Maximum wind velocity | km/h | 160 | |
| Wind load (at 160 km/h) | N | 60 | |
| Dimensions l × h | mm | 963 × 331 | 1003 × 359 |
| Connector type | | N female | |