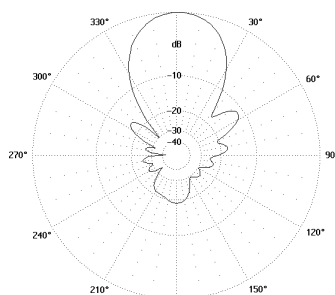
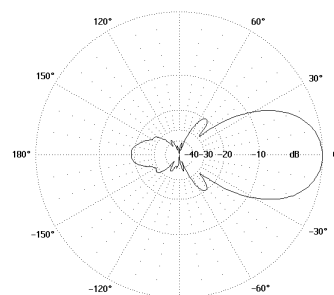


Description

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
Radiation patterns code		H-plane 026EA10 / E-plane 020EA11