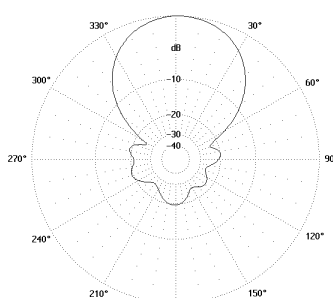
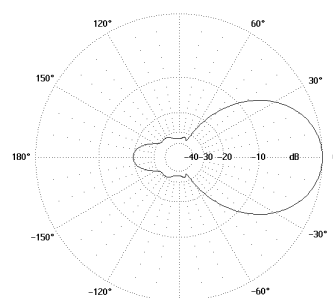


## Description

BD 312 directional base antenna is designed for mobile and data radio networks.



Radiation pattern – H plane



Radiation pattern – E plane

## Technical Specifications

Type	<b>BD 312</b>	
Frequency range	MHz	380 ÷ 395
Type of antenna		YAGI
Gain	dBi	11
Radiation pattern		directional
Beamwidth – H plane	°	60 ÷ 65
Beamwidth – E plane	°	46 ÷ 50
Front-to-back ratio	dB	17.5 ÷ 24
Polarization		vertical
Impedance	Ω	50
VSWR		< 1.5
Maximum input power	W	200
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	1.4 / 0.5
Maximum wind velocity	km/h	160
Wind load (at 160 km/h)	N	78
Dimensions l × h	mm	1300 × 387
Connector type		N female
Radiation patterns code		H-plane 030EA13 / E-plane 025EA10