



BASE DIRECTIONAL ANTENNA

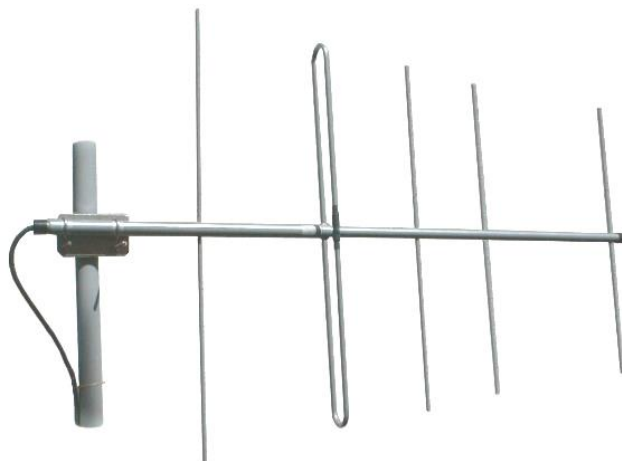
BD 165 A

BD 165 B

BD 165 C

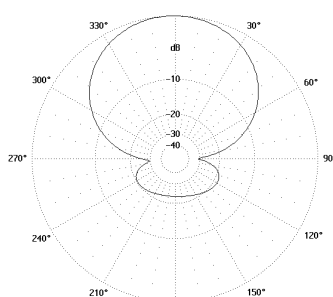
BD 165 S

BD 165 Z

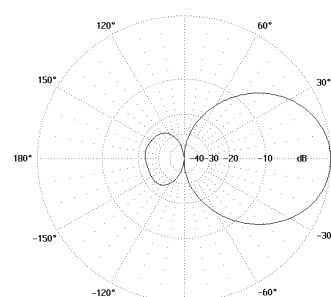


Description

BD 165 directional base antenna is designed for mobile and data radio networks.



Radiation pattern – H plane



Radiation pattern – E plane

Technical Specifications

Type		BD 165 A	BD 165 B	BD 165 C	BD 165 S	BD 165 Z
Frequency range	MHz	150 ÷ 158	157 ÷ 166	165 ÷ 174	155 ÷ 165	146 ÷ 153
Type of antenna		YAGI				
Gain	dBi	9.5				
Radiation pattern		directional				
Beamwidth – H plane	°	86 ÷ 92				
Beamwidth – E plane	°	60 ÷ 64				
Front-to-back ratio	dB	19 ÷ 22				
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	132				136
Dimensions l × h	mm	1683 × 995	1585 × 949	1514 × 904	1520 × 956	1726 × 1028
Connector type		N female				
Radiation patterns code		H-plane 046EA10 / E-plane 028EA08				