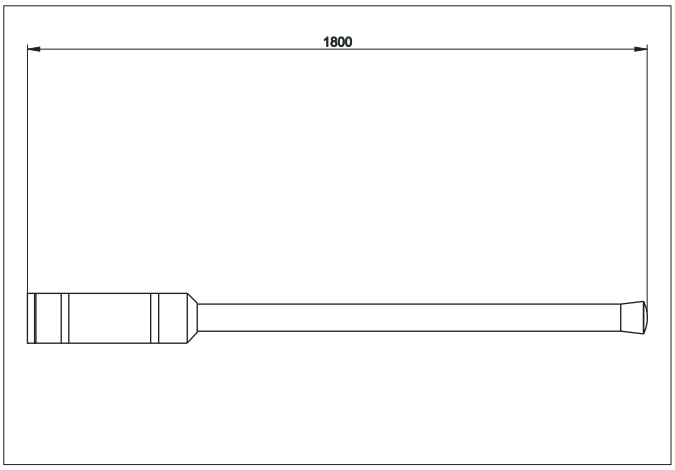
Omnidirectional Antennas KA300.3



The omnidirectional antenna KA300.3 is designed for base radiostations working in bands of 300-330 MHz. The antenna has a omni-directional radiation pattern with the gain of 3 dBd and is suitable for the top-mounting. The antenna is broadband and that is why it is suitable for duplex operations.

As for construction, the antenna is designed as a coaxial dipol put in a laminate case. It is connected to the coaxial cable by the coaxial plug "N" type which is soled together with this antenna.

It is possible to order holders produced of zinc-plated steel for towers´diameters of 30 to 180 mm.

ELECTRICAL PARAMETERS	
Frequency range [MHz]	300-330
Gain [dBd]	30
Radiation angle in E-plane [°]	omnidirectional
Radiation angle in H-plane[°]	<1.5
VSWR	Vertical
Polarization	50
Impedance [Ohm]	200
Max. Input power [W]	All metal parts DC-grounded (shows as DC-short)
Antistatic protection	
MECHANICAL PARAMETERS	
Connection	N female
Wind Surface/ with 15 mm icing [m²]	0.047 / 0.105
Wind Load/ with 15 mm icing [N]	75/ 167 @ 150 km/h
Length [mm]	1800
Weight [kg]	1.3
Mouting	Supplied with mast bracket suiting 30-76 mm dia.mast
RADIATION PATTERNS	
E-plane	015DE22
H-plane	000ND00

Radiation Patterns code is generated with VA99TOOL software