

Omnidirectional Antennas Vertical Polarization

146–174
V

KATHREIN
Antennen · Electronic

VPol Omni 146–174 360° 0dB

Type No.	Antenna Spare radials	K51262 K5126202	711530 K5126202
Frequency range		146 – 174 MHz	
Polarization		Vertical	
Gain (ref. $\lambda/2$ dipole)		0 dB	
Impedance		50 Ω	
VSWR		< 1.5	
Max. power		170 W	700 W (at 50 °C ambient temperature)

Material: Radiator and radials: Weather-resistant aluminum.
Mounting U-bolt and all screws and nuts: Stainless steel.

Mounting: The antenna can be attached in two ways with the supplied mounting kit:

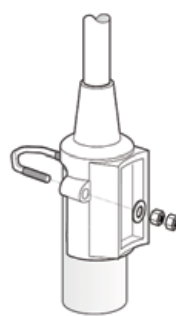
1. On the tip of a tubular mast of 40 – 54 mm diameter (connecting cable runs inside the mast).
2. Laterally at the tip of a tubular mast of 20 – 40 mm diameter (connecting cable runs outside the mast).

Side mounting at a mast: See catalogue part "Mechanical Accessories".

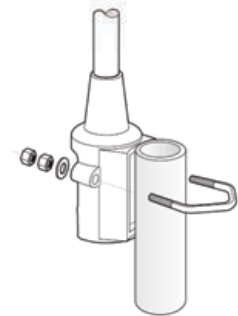
Grounding: All metal parts of the antenna including the mounting kit are DC grounded.
The inner conductor is capacitively coupled.



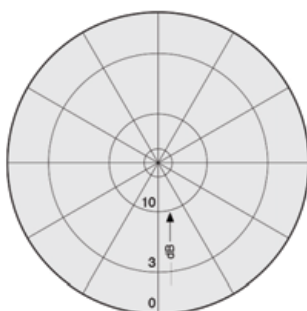
Omnidirectional
146 – 174 MHz



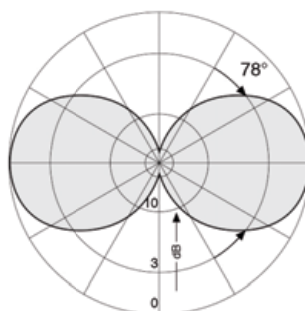
On the tip of a tubular mast



Laterally at the tip of a tubular mast



Horizontal Pattern



Vertical Pattern

Mechanical specifications	K 51 26 2	711 530
Input	By means of a cable RG-213/U with termination inside antenna.	N female
Weight	1.2 kg	
Wind load	25 N (at 150 km/h)	
Max. wind velocity	200 km/h	
Packing size	654 x 112 x 97 mm	
Radiator length	422 mm	
Length of radials	617 mm	