

Omnidirectional Off-set Antenna Vertical Polarization

146–174

V

KATHREIN
Antennen · Electronic

VPol Omni 146–174 360° 2dB

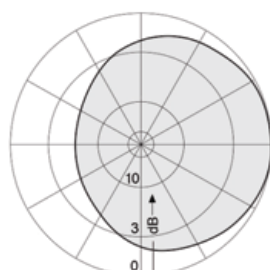
Type No.	K552921
Frequency range	146 – 174 MHz
Polarization	Vertical
Radiation Pattern	Preferred direction: Mast to radiator.
Gain (ref. $\lambda/2$ dipole)	2 dB
Impedance	50 Ω
VSWR	< 1.4
Max. power	440 W (at 50 °C ambient temperature)

- Material:** Hot-dip galvanized steel.
All screws and nuts: Stainless steel.
- Mounting:** On masts of 60 – 125 mm diameter, clamps supplied.
- Grounding:** All metal parts of the antenna including the mounting kit are DC grounded.

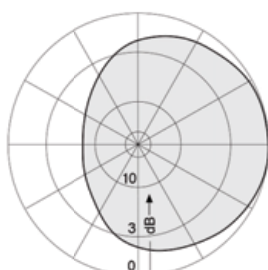


Omnidirectional
146 – 174 MHz

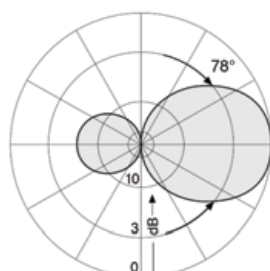
Radiation Pattern with different mast diameters:



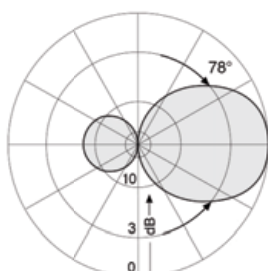
Horizontal Pattern
60 mm \varnothing



Horizontal Pattern
115 mm \varnothing



Vertical Pattern
60 mm \varnothing



Vertical Pattern
115 mm \varnothing

Mechanical specifications	
Input	N female
Weight	4.5 kg
Wind load	90 N (at 150 km/h)
Max. wind velocity	200 km/h
Mast diameter	60 – 125 mm
Packing size	864 x 598 x 87 mm
Dipole length	840 mm
Distance dipole / mast	500 mm