

Omnidirectional Antennas Vertical Polarization

370...470

V

KATHREIN
Antennen · Electronic

TETRA/
TETRAPOL

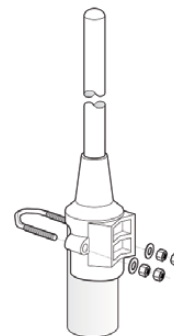
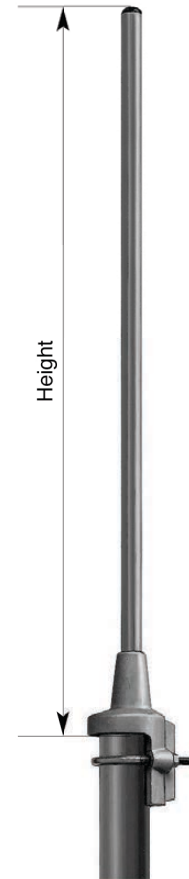
737003: VPol Omni 370–430 360° 2dBi
K751121: VPol Omni 406–470 360° 2dBi

Type No.	737003	K751121
Frequency range	370 – 430 MHz	406 – 470 MHz
Polarization	Vertical	
Gain	2 dBi	
Impedance	50 Ω	
VSWR	< 1.5	
Intermodulation IM3	< -150 dBc (2 x 37 dBm carrier)	
Max. power	100 W (at 50 °C ambient temperature)	

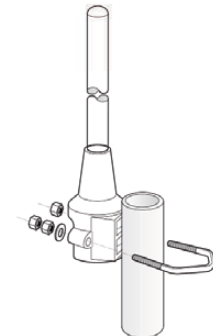
Material:
Radiator: Brass.
Radome: Fiberglass, dia. 21 mm, colour: Grey.
Base: Aluminum.
Mounting U-bolt and all screws and nuts:
Stainless steel.

Mounting:
The antenna can be attached in two ways with the supplied mounting kit:
1. On the tip of any tubular mast of 40 – 54 mm dia. (connecting cable runs inside the mast).
2. Laterally at the tip of any tubular mast of 20 – 54 mm dia. (connecting cable runs outside the mast).

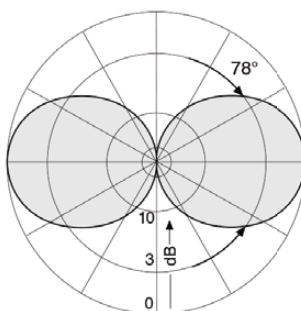
Grounding:
All metal parts of the antenna including the inner conductor are DC grounded.



On the tip of a tubular mast



Laterally at the tip of a tubular mast



Vertical Pattern

Mechanical specifications	737 003	K 75 11 21
Input	N female	
Connector position	Bottom	
Weight	1.0 kg	0.8 kg
Radome diameter	21 mm	
Wind load	20 N (at 150 km/h)	
Max. wind velocity	200 km/h	
Packing size [mm]	112 x 97 x 654	112 x 97 x 614
Height [mm]	555	515