

# Omnidirectional Antenna Vertical Polarization

380–400

V

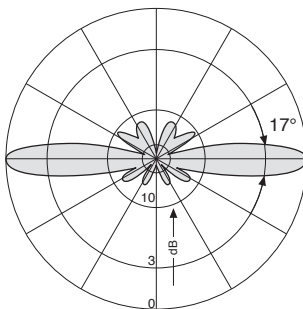
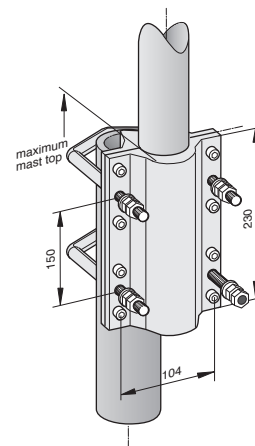
**KATHREIN**

380 – 500 MHz

## 1-Port Omni Antenna 380–400 2.8m 360° 7.5dBi

Type No.	<b>K862748</b>
Frequency range	380 – 400 MHz
Polarization	Vertical
Gain	7.5 dBi
Impedance	50 Ω
VSWR	< 1.5
Intermodulation IM3	< -150 dBc (2 x 43 dBm carrier)
Max. power per input	500 W (at 50 °C ambient temperature)

- Material:** Radiator: Copper and brass.  
Radome: Fiberglass, colour: Grey.  
Base: Weather-proof aluminum.  
Mounting kit, screws and nuts: Stainless steel.
- Mounting:** The antenna can be attached laterally at the tip of a tubular mast of 50 – 94 mm diameter with two U-bolt brackets supplied with the antenna (connecting cable runs outside the mast).
- Anti-static protection:** All metal parts of the antenna as well as the supplied clamp attachment are grounded. The inner conductor is capacitively coupled.
- Lightning protection:** The antenna is designed to withstand a lightning current of up to 150 kA (impulse: 10/350 μs), according to IEC 62305 parts 1–4 and VDE 0855-300, and thereby fulfils the requirements of lightning protection class II. Grounding cross-section: 22 mm<sup>2</sup> copper.



Vertical Pattern

Mechanical specifications	
Input	7-16 female
Connector position	Bottom
Wind load	200 N (at 150 km/h)
Max. wind velocity	200 km/h
Height	2840 mm
Radome diameter	51 mm
Weight	8.0 kg
Packing size	3316 x 148 x 112 mm