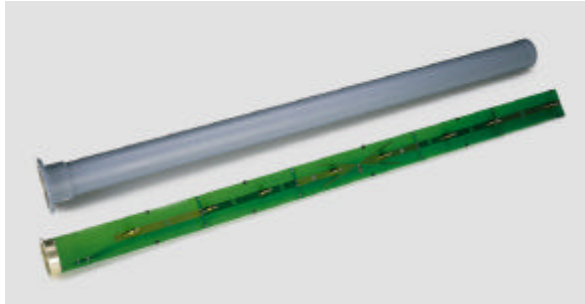


# Passive Broadband Receiving Dipole HK309



## Brief description

An extremely large bandwidth and high sensitivity make the HK309 ideal for all receiving tasks in radiocommunication, detection and measurements in which small size, a minimum number of distribution and switching units and high S/N ratio are at a premium.

The broadband characteristic of the Receiving Dipole HK309 is obtained through eight impedance elements which generate travelling waves with the antenna and prevent nulls in the radiation pattern.

- Extremely wide frequency range
- Small dimensions - only 1.7 m in length
- High sensitivity
- Large-signal immunity
- High immunity to nearby lightning strikes
- Low weight

## Specifications

Frequency range	20 to 1300 MHz
Polarization	vertical or horizontal (depending on mounting)
Horizontal pattern	omnidirectional
Nominal impedance	50 $\Omega$
VSWR	<3
RF connector	N female
Operating temperature	- 40 °C to +70 °C
Max. wind speed	180 km/h (without ice deposit)
Dimensions	
Length	1710 mm
Diameter	100 mm
Weight	approx. 4 kg
Vibration resistance	to DIN IEC 68-2-6 VG95332, degree of severity B2 BV 044 trace 1 and 7
Shock resistance	100 g / 6 ms
MTBF to MIL-STD	>500 000 h (40 °C ground fixed, continuous operation)