

R&S®HK012E VHF COAXIAL DIPOLE

100 MHz to 174 MHz

VHF omnidirectional antenna for vertical polarization



The R&S®HK012E VHF coaxial dipole is a vertically polarized, omnidirectional antenna for fixed and mobile applications, particularly for use on board ships. It is suitable for both transmission and reception.

A mast stub mounted on the dipole's base plate provides a convenient antenna interface for customer applications.

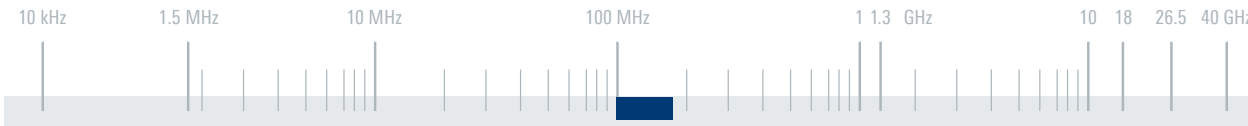
The entire antenna system is splash water resistant.

The antenna can also be fitted upside down, if required.

Key facts

- ▶ Ideal for civil aeronautical radio
- ▶ Particularly for use on ships
- ▶ RCS optimized
- ▶ Rugged design
- ▶ Minimal wind load
- ▶ High protection against lightning strikes in the vicinity



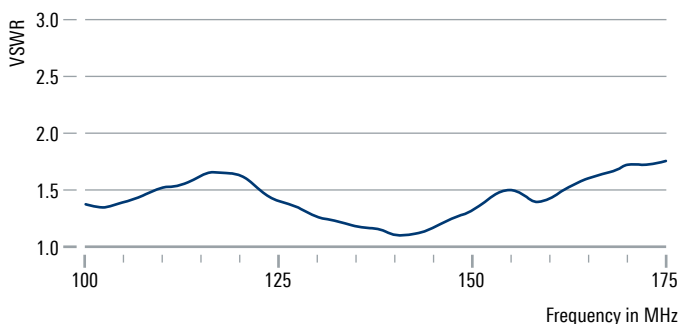


Specifications		
Frequency range		100 MHz to 174 MHz
Polarization		linear/vertical
Input impedance		50 Ω
VSWR		< 2
Maximum input power		400 W (CW)
Gain		2 dBi (typ.)
Horizontal radiation pattern		omnidirectional
Uncircularity		±0.5 dB
RF connector		N female
MTBF		> 100000 h
Operating temperature range		-40°C to +70°C
Protection class		IP65
Maximum wind speed	without ice deposit	275 km/h
Dimensions	Ø × H	approx. 0.5 m × 1.45 m (2 ft × 5 ft)
Weight		approx. 7 kg (15 lb)

Ordering information	Type	Order No.
VHF coaxial dipole, color: squirrel gray (RAL 7000)	R&S®HK012E	4095.3008.02

Recommended extra		
Mast, length: 6 m, pluggable	R&S®KM011	0273.9116.02

Typical VSWR



Typical radiation patterns

