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

- I Ideal for civil aeronautical radio
- Particularly for use on ships
- RCS optimized
- Rugged design
- Minimal wind load
- I 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
Max. input power	400 W CW
Gain	typ. 2 dBi
Horizontal radiation pattern	omnidirectional
Uncircularity	±0.5 dB

RF connector	N female	
MTBF	> 150 000 h	
Operating temperature range	-40°C to +70°C	
Protection class	IP65	
Max. wind speed	275 km/h (without ice deposit)	
Dimensions (Ø × H)	approx. $0.5 \text{ m} \times 1.45 \text{ m} (2 \text{ ft} \times 5 \text{ ft})$	
Weight	approx. 7 kg (15 lb)	

Ordering information	Туре	Order No.
VHF Coaxial Dipole, color: squirrel gray (RAL 7000)	R&S®HK012E	4095.3008.02
Recommended extras		
Mast, length: 6 m, pluggable	R&S®KM011	0273.9116.02



