

VHF/UHF Antennas

VHF Coaxial Dipole R&S®HK012



100 MHz to 165 MHz

VHF omnidirectional antenna for vertical polarization

Features

- ◆ High protection against lightning strokes in the vicinity
- ◆ Rugged design
- ◆ Minimal wind load
- ◆ Low weight
- ◆ Can be used on ships
- ◆ Ideal for military aeronautical radio

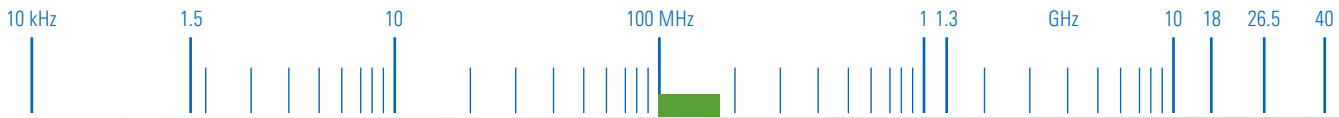
Brief description

The VHF Coaxial Dipole R&S®HK012 is an omnidirectional antenna for vertically polarized waves.

The antenna features high suppression of skin currents and high protection against lightning strokes in the vicinity.

Due to its sturdy design and low wind load, it is suitable for mobile use, particularly on ships.



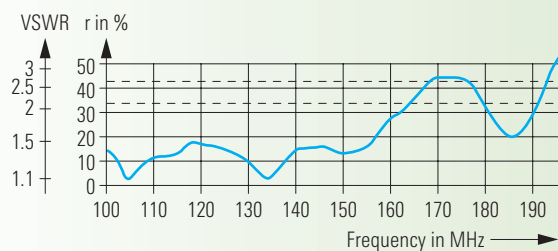


Specifications

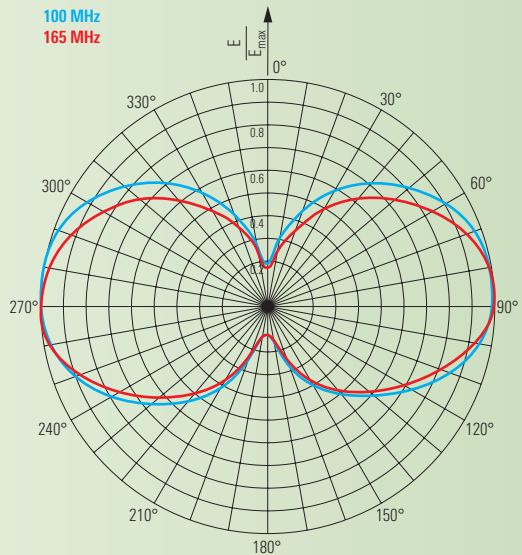
Frequency range	100 MHz to 165 MHz	MTBF	>250 000 h
Polarization	linear/vertical	Operating temperature range	-40 °C to +85 °C
Input impedance	50 Ω	Max. wind speed	160 km/h (without ice deposit)
VSWR	≤2	Dimensions	
Max. input power	400 W CW	Diameter	approx. 250 mm
Gain	typ. 2 dBi	Height	approx. 1150 mm
Horizontal radiation pattern		Weight	approx. 3 kg
pattern	omnidirectional		
Connector	N female		

Ordering information

VHF Coaxial Dipole	R&S®HK012	0459.7611.02	Recommended extras
			Mast, 6 m, pluggable R&S®KM011 0273.9116.02
			Mast Adapter R&S®KM011Z1 4022.3508.02



Typical VSWR



Typical vertical radiation pattern