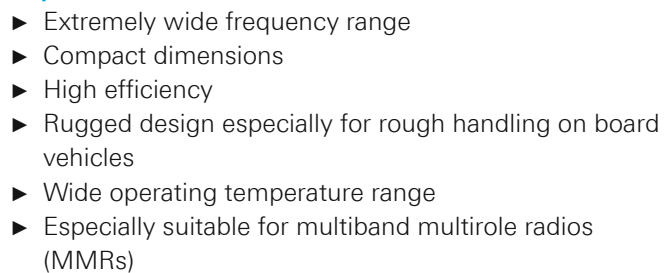
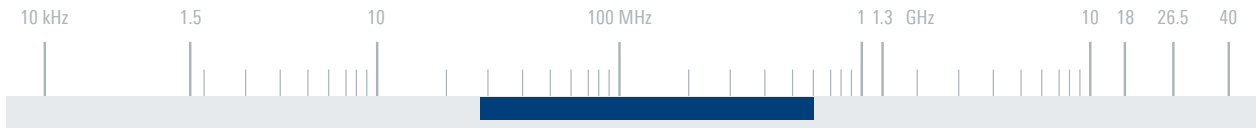


Compact transmitting/receiving antenna specially designed for operation on vehicles





Specifications

Frequency range	27.5 MHz to 600 MHz	
Polarization	vertical	
Input impedance	50 Ω	
VSWR	< 2.5 (measured on a 3 m × 3 m ground plane)	
Gain	27.5 MHz to 110 MHz	-1 dBi to +2 dBi (typ.) (measured on a 3 m × 3 m ground plane)
	110 MHz to 600 MHz	0 dBi to +2 dBi (typ.) (measured under free-space conditions)
Azimuth pattern	omnidirectional	
Max. deviation from circularity	±1 dB	
Elevation pattern	< 110 MHz	monopole-like
	> 110 MHz	dipole-like
Input power	≥ 30 MHz	max. 100 W CW
	< 30 MHz	max. 50 W CW
MTBF	> 100 000 h	
Connector	N female	
Operating temperature range	-40°C to +85°C	
Protection class	IP55	
Max. wind speed	200 km/h	
Dimensions	Ø × L	approx. 165 mm × 1585 mm (7 in × 62 in)
Weight	approx. 19 kg (42 lb)	

Ordering information	Type	Order No.
Broadband mobile antenna	R&S®HK055L1	
Color: bronze green (RAL 6031F9)		4067.0014.07
Color: sand yellow (RAL 1002)		4067.0014.05

**Typical elevation pattern in the E plane at 120 MHz
(measured on a 3 m × 3 m ground plane)**

Typical VSWR characteristic

