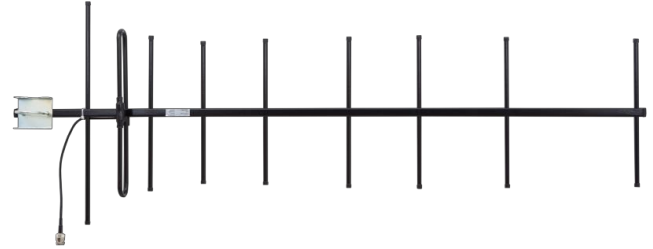


HORWIN AY4509D

HORWIN AY4509D - is a 9 elements directional UHF antenna Yagi with a folded dipole as a driven element. The main application is increasing the distance of base stations and repeaters operation.

Folded driven element is provided wide operational frequency band, antistatic protection, and mechanical durability. "Balun" matching circuit is optimized the radiation pattern for better performance. The antenna is shipped disassembled and is easily assembled in the field (all elements and their position on the antenna boom are clearly marked).

The antenna is made of galvanized aluminum and covered with polymer powdered coating. The antenna supplied with 0,2 m long "tail" terminated with an N-type female connector. The boom is rear-mounted to the support mast with a diameter up to 55 mm.



AY4509D	
Elements	9
Frequency range, MHz	400 – 470
Bandwidth, MHz	50
Power rating, W	100
Gain, dBd	10
Front to Back ratio, dB	22
Beamwidth (H-plane)	40
Beamwidth (E-plane)	40
Nominal impedance, Ohm	50
Dimensions (H x W), mm	395x1080
Weight, kg	0.65

H-plane (Horwin AY 4509D)

