

4-Stack Dipole Arrays

UHF Mobile Trunking, Telemetry 400...470 MHz

- ★ The HD four-stack arrays use center-fed broadband half-wave antennas.
- ★ Antennas stacked vertically reduce the vertical beam's width, but the horizontal beam's width is unaltered.
- ★ 3 dB Gain.

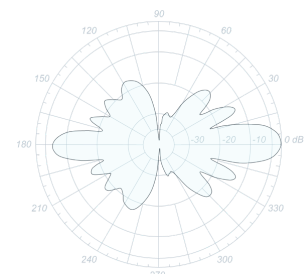


Electrical Data

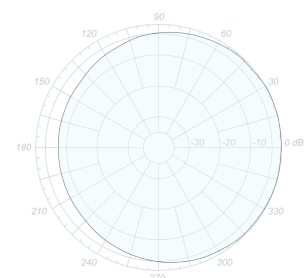
Sales code	HD4204S	HD4604S
Article number	A10AA0227A	A10AA0228A
Frequency	400—430 MHz	440—470 MHz
Average gain	6 dBd	
Nominal gain	8 dBd (on support pipe)	
VSWR	$\leq 1.5: 1$	
Polarisation	Vertical	
H-plane	3 dB beam width 230°	
E-plane	3 dB beam width 16°	
Rated power	500 W	
Impedance	50 Ω	
Termination	N-type male	
Surge protection	All metal parts are directly grounded	

Mechanical Data

Wind velocity	≤ 200 km/h
Wind load @ 144 km/h	30 kg
Flat plate area	0.283 m^2
Material	Aluminium with moulded cover
Mounting	It has an integral V-bolt to support a pipe diameter of 25 mm to 50 mm.
Antenna array length	2.3 m
Parcel dimensions	3.3 kg / 4 off 32 cm x 25 cm x 10 cm; 1 off 32 cm x 33 cm x 6 cm



Typical vertical pattern
4-stack HD



Typical horizontal pattern
4-stack HD

Notes:

The horizontal radiation pattern is omnidirectional. Vertical polarisation.
Normalised scale - not amplification (gain).

