

# HPBASE01 A/B/C/D/E

High Power Unity Gain Omni Base Station Antenna for the 150 MHz band

This meticulously constructed base station antenna with integrated multipurpose mounting bracket comes with a generous bandwidth which reduces the need for multiple antennas both in stock and on installation sites.

- Very high power antenna design
- No groundplane needed

## ELECTRICAL SPECIFICATIONS

Frequency	112 - 129 MHz, 118 - 137 MHz, 133 - 151 MHz, 144 - 170 MHz, 153 - 178 MHz (A/B/C/D/E)
Bandwidth	A: 17 MHz, B: 19 MHz, C: 18 MHz, D: 26 MHz, E: 25 MHz
Antenna Type	Half Wave Dipole
Impedance	50 ohm
Vswr	A, B, C, E: < 1.5:1, D < 1.6:1
Polarisation	Vertical
Gain	0 dBd, 2.1 dBi
Radiation Pattern	Omni Directional (Horizontal)
Half Power Beamwidth	80°
Electrical Beam-tilt	0°
Max. Input Power	500 W
Antistatic Protection	Direct Ground



## Datasheet

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## MECHANICAL SPECIFICATIONS

Color	White, Black and Orange
Length	See Outline Drawing
Weight	3.3 - 3.8 kg (depending on model)
Mount type	Fixed Tube Mounting Bracket. Stainless Steel Mounting Hardware included.
Mounting Place	On vertical mast tube; Ø 30 - 60 mm
Materials	Brass, Copper, Fibreglass and Aluminium
Survival Wind Speed	55 m/s
Operating Temperature	-55C to +70C (IEC 60068-2-1, IEC 60068-2-2)
Connector	N-female
Ingress protection	IP66
Vibration	IEC 60068-2-6, IEC 60068-2-64
Serial no.	On product label



## ORDERING INFORMATION

25001-012A	112-129 MHz (Individually packing in Carton tube)
25001-012B	118-137 MHz (Individually packing in Carton tube)
25001-012C	133-151 MHz (Individually packing in Carton tube)
25001-012D	144-170 MHz (Individually packing in Carton tube)
25001-012E	153-178 MHz (Individually packing in Carton tube)

## PACKAGING INFORMATION

Type	See "Part No."
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A = 1855  
B = 1518  
C = 1575  
D = 1445  
E = 1425



