

# HPBASE004 A/B/C

High Power Unity Gain Omni Base Station Antenna for the 450 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             | 380 - 445 MHz, 399 - 476 MHz, 430 - 530 MHz (A/B/C) |
| Bandwidth             | A: 65 MHz, B: 77 MHz C: 100 MHz                     |
| Antenna Type          | Half Wave Dipole                                    |
| Impedance             | 50 ohm  |
| Vswr                  | <1.5:1  |
| Polarisation          | Vertical  |
| Gain                  | 0 dBd, 2.1 dBi                                      |
| Radiation Pattern     | Omni Directional (Horizontal)                       |
| Half Power Beamwidth  | 76°   |
| Electrical Beam-tilt  | 0°  |
| Max. Input Power      | 500 W   |
| Antistatic Protection | Direct Ground                                       |



## Datasheet

2 / 4

## MECHANICAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Color                 | White, Black and Orange  |
| Length                | See Outline Drawing  |
| Weight                | 2.8 kg   |
| 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

|            |   |
|------------|---|
| 26004-012A | 380-445 MHz (Individually packing in Carton tube) |
| 26004-012B | 399-476 MHz (Individually packing in Carton tube) |
| 26004-012C | 430-530 MHz (Individually packing in Carton tube) |

## PACKAGING INFORMATION

|      |                |
|------|----------------|
| Type | See "Part No." |
|------|----------------|



