

# BASE001 A/B/C/D/E/X

## 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.

- High power antenna design
- Customer specified center frequency in X version
- No groundplane needed

## ELECTRICAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Frequency             | 118 - 137 MHz, 128 - 144 MHz, 144 - 163 MHz, 154 - 174 MHz, 218 - 225 MHz, 118 - 174 MHz (A/B/C/D/E/X) |
| Bandwidth             | For X version: Approx. 12 % of the specified Centre Frequency (CF)                                     |
| Antenna Type          | Half Wave Dipole   |
| Impedance             | 50 ohm   |
| Vswr                  | A: <1.6:1, B, C, D, E, X: <1.5:1   |
| Polarisation          | Vertical   |
| Gain                  | 0 dBd, 2.1 dBi   |
| Radiation Pattern     | Omni Directional (Horizontal)  |
| Half Power Beamwidth  | 78°  |
| Electrical Beam-tilt  | 0°   |
| Max. Input Power      | 150 W  |
| Antistatic Protection | Direct Ground  |



## Datasheet

2 / 4

## MECHANICAL SPECIFICATIONS

|                       |   |
|-----------------------|---|
| Color                 | White, Black and Orange   |
| Length                | See Outline Drawing   |
| Weight                | Max. 1.2 kg   |
| Mount type            | Fixed Tube Mounting Bracket (included).<br>Wall mount Bolts not included.                         |
| Mounting Place        | On Tube (Ø 30 - 60 mm, vertical or horizontal) or Wall mount<br>(mounting hole distance 68.5 mm). |
| Materials             | Antenna: Brass, Copper, Fibreglass and Aluminium. Mounting Kit:<br>Stainless steel A4 (AISI-316)  |
| 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

|            |   |
|------------|---|
| 22010-004A | 118-137 MHz (Individually packing in Carton tube) |
| 22010-004B | 128-144 MHz (Individually packing in Carton tube) |
| 22010-004C | 144-163 MHz (Individually packing in Carton tube) |
| 22010-004D | 154-174 MHz (Individually packing in Carton tube) |
| 22010-004E | 218-225 MHz (Individually packing in Carton tube) |
| 22010-004X | 118-174 MHz (Individually packing in Carton tube) |

## PACKAGING INFORMATION

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



A/X = 1500  
B/C/D = 1400  
E = 940



