

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

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|-----------------------|--|
| 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 |



MECHANICAL SPECIFICATIONS

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

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| P/N | 22010-000A: 118-137 MHz (Bulk packing) |
| P/N | 22010-000B: 128-144 MHz (Bulk packing) |
| P/N | 22010-000C: 144-163 MHz (Bulk packing) |
| P/N | 22010-000D: 154-174 MHz (Bulk packing) |
| P/N | 22010-000E: 218-225 MHz (Bulk packing) |
| P/N | 22010-000X: 118-174 MHz (Bulk packing) |
| P/N | 22010-001A/B/C/D/E/X (Individually packing in Polybag) |
| P/N | 22010-004A/B/C/D/E/X (Individually packing in Carton tube) |

PACKAGING INFORMATION

| | |
|------|----------------|
| Type | See "Part No." |
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A/X = 1500
B/C/D = 1400
E = 940



