

BASE304 A/B/C/D/E/F/G/H/X

3 dBd Gain Base Station Antenna for 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.

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

ELECTRICAL SPECIFICATIONS

| | |
|-----------------------|---|
| Frequency | 380 - 400 MHz, 406 - 430 MHz, 410 - 430 MHz, 417 - 450 MHz, 430 - 450 MHz, 440 - 470 MHz, 467 - 485 MHz, 485 - 503 MHz, 406 - 512 MHz (A/B/C/D/E/F/G/H/X) |
| Bandwidth | For X version: Approx. 5 % of the specified Centre Frequency (CF) |
| Antenna Type | Half Wave Dipole |
| Impedance | 50 ohm |
| Vswr | A, C, E, G, H, X: < 1.5:1, B: < 1.5:1 (406-423 MHz) and < 2.0:1 (423-430 MHz), D: < 1.5:1 (417-439 MHz) and < 2.0:1 (439-450 MHz), F: < 1.5:1 (446-470 MHz) and < 2.0:1 (440-446 MHz) |
| Polarisation | Vertical |
| Gain | 3 dBd, 5.1 dBi, |
| Radiation Pattern | Omni Directional (Horizontal) |
| Half Power Beamwidth | 30° |
| Electrical Beam-tilt | 0° |
| Max. Input Power | 300 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). 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) |
| Connectors | N-female |
| Ingress Protection | IP66 |
| Vibration | IEC 60068-2-6, IEC 60068-2-64 |
| Serial no. | On product label |

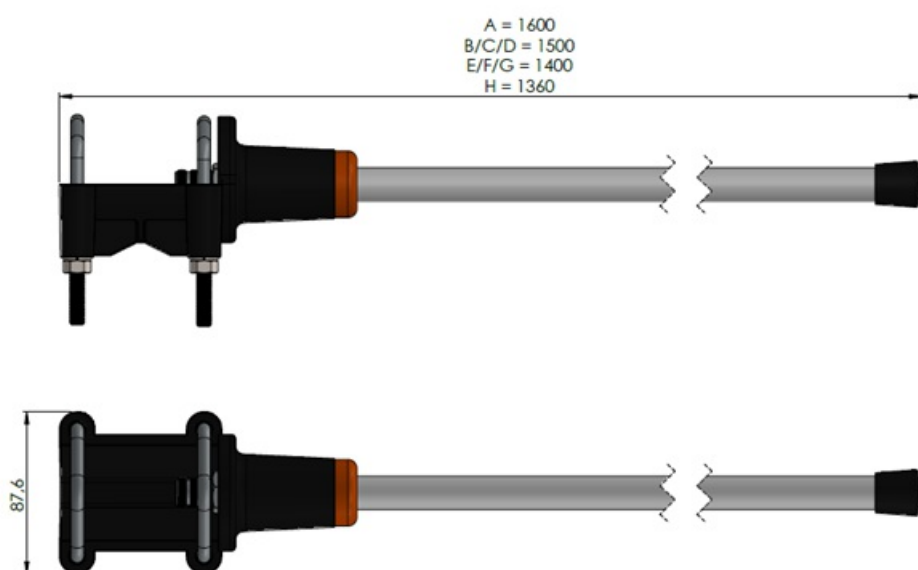


ORDERING INFORMATION

| | |
|------------|---|
| 23304-004A | 380-400 MHz (Individually packing in Carton tube) |
| 23304-004B | 406-430 MHz (Individually packing in Carton tube) |
| 23304-004C | 410-430 MHz (Individually packing in Carton tube) |
| 23304-004D | 417-450 MHz (Individually packing in Carton tube) |
| 23304-004E | 430-450 MHz (Individually packing in Carton tube) |
| 23304-004F | 440-470 MHz (Individually packing in Carton tube) |
| 23304-004G | 467-485 MHz (Individually packing in Carton tube) |
| 23304-004H | 485-503 MHz (Individually packing in Carton tube) |
| 23304-004X | 406-512 MHz (Individually packing in Carton tube) |

PACKAGING INFORMATION

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



Datasheet

4 / 4

