

UHF44A/B/C/D

3 dB UHF Ultra-Wide Band Fiberglass Antenna 0,64 m (4 versions)

The UHF44 is a lightweight broadbanded UHF omnidirectional maritime antenna.

- Specified antenna for TETRA and ISM.
- 4 standard band versions covering 330 – 510 MHz.
- End-fed full 1/2 coaxial dipole antenna design.
- Full omni-directional radiation pattern.
- DC-grounded (DC-short).
- No groundplane required.

ELECTRICAL SPECIFICATIONS

| | |
|-----------------------|---|
| Frequency | 330 - 380 MHz, 380 - 430 MHz, 420 - 470 MHz, 460 - 510 MHz (A/B/C/D) |
| Bandwidth | 50 MHz |
| Antenna Type | Broadband Half Wave Dipole |
| Impedance | 50 ohm |
| VSWR | A: <1.8:1, B/C/D: <1.5:1 |
| Polarisation | Vertical |
| Gain | 3 dB, 0 dBd, 2.15 dBi |
| Radiation Pattern | Omnidirectional (Horizontal) |
| Half Power Beamwidth | 80° |
| Max. Input Power | 200 W |
| Antistatic Protection | Direct Ground |



Datasheet

2 / 4

MECHANICAL SPECIFICATIONS

| | |
|-----------------------|--|
| Color | White and chrome |
| Length | Approx. 640 mm |
| Wiegth | Approx. 350 g |
| Mount Type | On 1" threaded pole (G1"-11 thread) with Revolving Nut Kit or on optionally brackets |
| Mounting Place | Mast or deck |
| Materials | PU-painted fibreglass, POM, copper, brass and chrome |
| 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

| | |
|------------------|--|
| 14044-000A | 330-380 MHz, Antenna only - bulk packing |
| 14044-000B | 380-430 MHz, Antenna only - bulk packing |
| 14044-000C | 420-470 MHz, Antenna only - bulk packing |
| 14044-000D | 460-510 MHz, Antenna only - bulk packing |
| 14044-001A/B/C/D | Individually packing in Polybag |
| 14044-002A/B/C/D | Individually packing in Carton tube |
| 14044-431A/B/C/D | If 1" Revolving Nut Kit is needed together with antenna for kit in Polybag |
| 14044-432A/B/C/D | If 1" Revolving Nut Kit is needed together with antenna for kit in Carton tube |

PACKAGING INFORMATION

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



