

# Thuraya Passive Omnidirectional SATCOM Antenna

Low cost passive dual-band antenna (short cables only)

- Passive Antenna for Thuraya terminals
- Dual-band SAT/GPS antenna design
- Requires no pointing towards satellite
- Built-in active GPS antenna
- For use with: Docking Units, Seagull terminal a.o.
- Mounts on any US-style Mounting Bracket with 1"-14NF threaded stud (not supplied)

Note: Cable loss below 3 dB is recommended.

## ELECTRICAL SPECIFICATIONS

|                              |                                |
|------------------------------|--------------------------------|
| Frequency                    | 1525 - 1660.5 MHz, 1575.42 MHz |
| Impedance                    | 50 ohm                         |
| Satellite System             | Thuraya, GPS                   |
| Polarisation                 | LHCP (SAT)                     |
| Axial ratio                  | < 6 dB (SAT)                   |
| Gain                         | 2 dBic                         |
| LNA Gain                     | 25 dB (GPS)                    |
| Noise Figure                 | 1.2 dB (GPS)                   |
| Supply voltage               | 3.0 - 5.5V DC (GPS)            |
| Current consumption, average | 20 mA                          |



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## MECHANICAL SPECIFICATIONS

|                       |   |
|-----------------------|---|
| Color                 | White (non-glossy)  |
| Height                | 188 mm, 191.5 mm including mounting base                                |
| Weight                | 300 g   |
| Diameter              | Ø 95 mm   |
| Mounting              | On US-style Mounting Brackets with 1"-14NF threaded stud (not supplied) |
| Mounting Place        | On marine vessel or landbased vehicle                                   |
| Materials             | ASA, PCB, copper and brass  |
| Operating Temperature | -40°C to +70°C  |
| Connector             | SAT: N-female   |
| Connector2            | GPS: SMA-female   |
| Cable                 | No cables supplied  |
| Ingress protection    | IP68  |

## ORDERING INFORMATION

|     |  |
|-----|--|
| P/N | 60600-001 (Antenna only - in polybag)  |
| P/N | 60600-013 Kit incl. antenna, 5 m cables SAT/GPS N(m)/ TNC(m) and 10000-020 mount |
| P/N | 60600-033 Kit incl. antenna, 5 m cables SAT/GPS N(m)/ TNC(m) and 10000-123 mount |

## PACKAGING INFORMATION

|        |                |
|--------|----------------|
| Type   | Polybag        |
| size   | Approx. 200 mm |
| weight | Approx. 350 g  |

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