

# Thuraya Passive Omnidirectional SATCOM Antenna

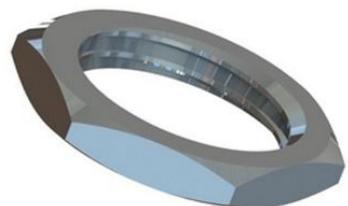
Compact passive dual-band antenna - Rugged design

- Passive Antenna for Thuraya terminals
- Requires no pointing towards satellite
- Rugged design for reliable performance in harsh conditions
- Compact dual-band antenna design
- Smooth surface low loss radome
- Built-in active GPS antenna
- Mounts on any US-style Mounting Bracket with 1"-14NF threaded stud

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                         |
| Gain                         | 2 dBic                         |
| LNA Gain                     | 25 dB (GPS)                    |
| Noise Figure                 | 1.2 dB (GPS)                   |
| Supply voltage               | 3.0 - 5.5 V DC (GPS)           |
| Current consumption, average | 20 mA                          |



## Datasheet

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## MECHANICAL SPECIFICATIONS

|                       |  |
|-----------------------|--|
| Color                 | Glossy White   |
| Height                | 111 mm   |
| Weight                | 300 g  |
| Diameter              | Ø 94 mm  |
| Mounting              | On all US-style Mounting Brackets with 1"-14NF threaded stud |
| Mounting Place        | On marine vessel or landbased vehicle                        |
| Mounting Instruction  | Use the supplied counter-nut when mounting the antenna       |
| Materials             | ASA, POM, PCB and Chrome plated brass                        |
| Operating Temperature | -40°C to +70°C   |
| Connector             | SAT: TNC-female  |
| Connector2            | GPS: SMA-female  |
| Ingress protection    | IP66   |
| Cable                 | Not included   |
| Vibration             | IEC60945   |

## ORDERING INFORMATION

|           |                                   |
|-----------|-----------------------------------|
| 60805-003 | Antenna only - no cables supplied |
|-----------|-----------------------------------|

## PACKAGING INFORMATION

|        |                  |
|--------|------------------|
| Type   | Hardbox          |
| size   | 99 x 95 x 150 mm |
| weight | Approx. 350 g    |

