

# Iridium Passive Omnidirectional SATCOM Antenna (+GPS)

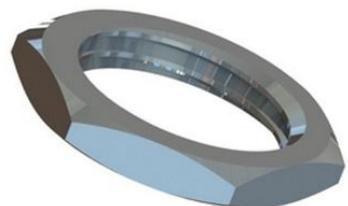
Compact passive dual-band antenna

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

Note: Cable loss below 3 dB is recommended

## ELECTRICAL SPECIFICATIONS

|                              |   |
|------------------------------|---|
| Frequency                    | 1616 - 1626.5 MHz, 1575.42 MHz (L-Band) |
| Impedance                    | 50 ohm                                  |
| Vswr                         | < 2.0                                   |
| Satellite system             | Iridium, GPS                            |
| Polarisation                 | RHCP (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                | 320 g (Antenna only)  |
| Diameter              | Ø 94 mm   |
| Mounting              | Mounts on any US-style Mounting Bracket with 1"-14NF threaded studs |
| Mounting Place        | On marine vessel or landbased vehicle                               |
| Mounting Instruction  | Use the supplied counter-nut when mounting the antenna              |
| Materials             | ASA, POM, PCB, copper and chrome plated brass                       |
| Operating Temperature | -40°C to +70°C  |
| Connector             | SAT: TNC-female   |
| Connector2            | GPS: SMA-female   |
| Cable                 | See "Part No." below  |
| Ingress protection    | IP66  |
| Vibration             | IEC60945  |

## ORDERING INFORMATION

|           |  |
|-----------|--|
| 65800-003 | Antenna only - in hardbox  |
| 91004-011 | 5 m cable kit: SAT-cable w/TNC(m) and GPS-cable w/SMA(m) - in polybag  |
| 91004-021 | 8 m cable kit: SAT-cable w/TNC(m) and GPS-cable w/SMA(m) - in polybag  |
| 91004-031 | 10 m cable kit: SAT-cable w/TNC(m) and GPS-cable w/SMA(m) - in polybag |
| 91004-041 | 15 m cable kit: SAT-cable w/TNC(m) and GPS-cable w/SMA(m) - in polybag |

## PACKAGING INFORMATION

|      |         |
|------|---------|
| Type | Hardbox |
|------|---------|

