

# 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

[Link to: Iridium Product Page](#)

## 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
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