



Datasheet

SAT011-02TC

Iridium Passive Omnidirectional SATCOM Antenna (+GPS)



Certified passive Iridium 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 stud (not supplied)
- 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
Polarization	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	20 mA (average consumption)

Ordering information

3208.0424 Antenna

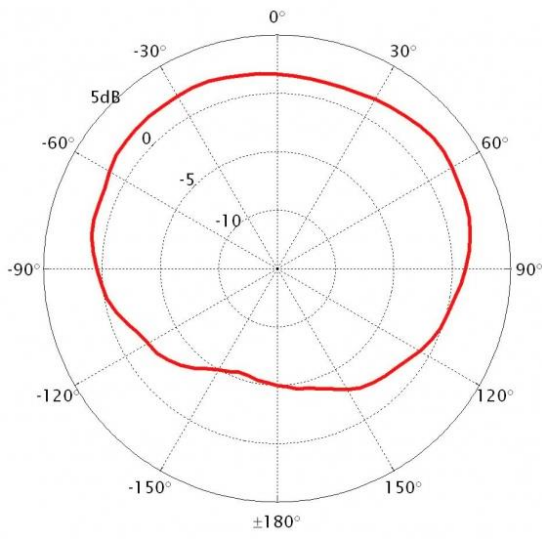
Packaging information:

Type Antenna only - in hardbox

Mechanical Specifications:

Color	White
Height	111 mm
Diameter	Ø 94 mm
Mounting	On any US-style Mounting Bracket with 1"-14NF threaded stud (not supplied)
Mounting place	On marine vessel or land based vehicle
Mounting instruction	Use the supplied counter-nut when mounting the antenna
Materials	ASA, POM, PCB, copper and chrom plated brass
Operating temperature	-25C to +55C
Survival temperature	-40C to +80C
Connector	SAT: TNC-female / GPS: SMA-female
Ingress Protection	IP66
Vibration	IEC60945

Radiation Pattern



Typical VSWR

