



Omni-Directional Antenna VHF/GPS Combination (ORBCOMM Top Hat)

TYPE - 508044C



STANDARD FEATURES:

- Mobile, Vehicular and Fixed Applications
- Data Line, Tracking and Asset Management
- Symmetrical and Truly Omni-Directional;
Covering 80% of the Hemisphere
(Equivalent to Vertical Whip)
- Low Profile Design
- High Performance with Compact Design

TECOM's dual-band VHF and GPS antennas for the OrbcComm Satellite System provide efficient alternatives to the standard whip. The 508044C features a higher VHF gain in a Top Hat configuration. A key benefit of the "Top Hat" antenna is a unique single hold mounting configuration with combined cable exit and mounting stud.

Electrical Performance Specifications

VHF Specifications

Frequency Range	VSWR	Gain	Polarization	Direction	RF Power	Temperature	Cable Connector
Transmit: 0.148 - 0.150 GHz	2.0:1	-1 dBi Peak	Vertical	Omni- Directional	10 W CW	-65° F to 185° F	TNC/BNC Weatherproof
Receive: 0.137 - 0.138 GHz							

GPS Specifications

Frequency Range	Gain	Noise Figure	Polarization	Power	Temperature	Cable Connector
1575.42 MHz	25 dB Min	< 2 dB	RHCP	5 Volts DC, Typical 20mA	-30° F to 185° F	SMB Plug, Typical

Common Performance Data

- 1) Beamwidth 3dB: 360° @ Azimuth, 60° @ Elevation
- 2) Impedance: 50 Ohms
- 3) Weight: 0.726 kg