

Comant CI 2580-200

ComDat VHF/GPS WAAS

COBHAM

2008 Data Sheet

The most important thing we build is trust

CI-2580-200 ComDat VHF/GPS WAAS

Comant's newest ComDat VHF/GPS antenna designed specifically to meet the GPS WAAS Gamma 3 specifications required by the Garmin G1000 system.

Our patented technology provides 80 dB of VHF harmonic suppression allowing Comant to offer VHF and GPS in one radome without in-line filters.

Tested and passed demanding direct effects lightning environmental testing.

Gamma 3 WAAS allows for primary navigation using GPS for all phases of flight including precision LPV approaches.

Not intended for portable GPS receiver systems.

Applications

Single engine piston aircraft for applications of this antenna design. Consult your FBO or installation shop for best application information.

Frequencies Covered

VHF 118-137 MHz

GPS 1575.42 MHz / 26.5 dB Gain

Specifications

VHF Specifications

Frequency	118-137 MHz
VSWR	2.5:1 Maximum
Polarization	Vertical
Radiation Pattern	Omni Directional
Impedance	50 Ohms
Power Rating	50 Watts

GPS Preamplifier Specs

Frequency	1575.42 +/-3 MHz
VSWR	1.5:1 Max.
Polarization	RHCP
Radiation Pattern	Hemispherical
Impedance	50 Ohms
Gain	26.5 - 30.5
DC Voltage	4 - 24 Vdc
DC Curr. Min/Max	40mA Typical - 60mA Maximum
Noise	2.5 dB Max

Mechanical / Environmental

Weight	0.6 lb Maximum
RTCA Env. / TSO	DO 160D / C169(Class C,D,E,3,4,5,6) C144
Connectors	VHF - BNC / GPS - TNC



WARNING: Use factory supplied drawings and specifications for installation. Refer to FAA AC 43.13-2B for installation guidelines.

For further information please contact:

Cobham SATCOM Airborne Systems
577 Burning Tree Road
Fullerton, California 92833 USA
Tel: (01) 714-870-2420
Fax: (01) 714-870-5133
Email: comant@cobham.com