

# Comant CI 2480-400

ComDat VHF/GPS/XM

# COBHAM

2008 Data Sheet

The most important thing we build is trust

## CI-2480-400 ComDat VHF/GPS/XM

Comant's ComDat triple function single engine antenna for VHF/GPS/XM Weather. Our patented technology provides 80 dB of VHF harmonic suppression allowing Comant to offer VHF and GPS in one radome without in-line filters.

Furthermore, this antenna provides XM weather capability. The perfect drop-in replacement to add functionality to a common existing footprint.

Certified FAA TSO C144 for GPS and GPS WAAS Class Gamma 1 equipment. Not compliant for GPS WAAS Class Gamma 2 and 3 applications.

**Not compatible with most 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  
XM 2332.5 - 2345.0 / 30 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

Amplifier	GPS	XM Weather
Frequency	1575.42 +/-3 MHz	2332.5-2345.0 MHz
VSWR	1.5:1 Max.	1.5:1 Max.
Polarization	RHCP	LHCP
Radiation Pattern	Hemispherical	Hemispherical
Impedance	50 Ohms	50 Ohms
Gain	26.5 - 31.5	30 - 34 dB
DC Voltage	4 - 24 Vdc	4 - 24 Vdc
DC Curr. Min/Max	25mA / 40mA	25mA / 55mA
Noise	3.8 dB Max	2.7 dB Max

### Mechanical / Environmental

Weight	0.7 lb Maximum
RTCA Env. / TSO	DO 160D / C37d, C38d, C144
Connectors	VHF - BNC / GPS - TNC / XM - SMA



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

For further information please contact:

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