

Comant CI 2680-400

ComDat VHF/GPS/XM

COBHAM

2008 Data Sheet

The most important thing we build is trust

CI-2680-400 ComDat VHF/GPS/XM

Comant's ComDat triple function VHF/GPS/XM Weather antenna for twin and light jet aircraft. Comant's patented technology provides 80 dB of VHF harmonic suppression allowing VHF and GPS to function 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 receiver systems.

Applications

Single and twin engine piston aircraft for applications of this antenna design. Some light turbine and light jets. 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	2.9:1 Maximum
Polarization	Vertical
Radiation Pattern	Omni Directional
Impedance	50 Ohms
Power Rating	50 Watts

Amplifier Specifications

	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 dB	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	1.25 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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