

Comant CI 420-420

ComDat GPS/XM

COBHAM

2008 Data Sheet

The most important thing we build is trust

CI 420-420 ComDat GPS/XM

ComDat® multifunction GPS and XM Weather antenna. Designed for compatibility with panel mount 26.5 dB gain GPS receivers.

Add XM to an existing GPS antenna location without the need for a completely new installation location.

Conforms to the popular teardrop footprint standard on many general aviation aircraft and business jets.

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

Most aircraft up to and including business jets. Consult your FBO or installation shop for best application information.

Frequencies Covered

GPS 1575.42 MHz / 26.5 dB Gain
XM 2332.5-2345.0 / 30-34 dB Gain

Specifications

GPS Preamplifier Characteristics

Frequency	1575.42 MHz
VSWR	1.5:1 Maximum
Polarization	RHCP
Radiation Pattern	Hemispherical
Impedance	50 Ohms
Gain @ 1575.42 MHz	26.5-31.5 dB
DC Voltage	4-24 Volts
DC Current Min/Max	25mA Min. / 40mA Max.
Noise Figure	3.8 dB
Selectivity	-35 dB Min @ Satcom Frequency

XM Weather Data Specification

Frequency	2332.5-2345.0 MHz
VSWR	1.5:1 Maximum
Polarization	LHCP
Radiation Pattern	Hemispherical
Impedance	50 Ohms
Gain	30-34 dB
DC Voltage	4 - 24 Volts
DC Current Min/Max	25mA Min. / 55 mA Max.
Noise Figure	2.7 dB Maximum

Mechanical / Environmental

Weight	4.2 Ounces
RTCA Env. / TSO	DO 160-D / TSO 144
Connector	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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