

Comant CI 420-420

ComDat GPS/XM

COBHAM

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 hand-held 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 - 31.5 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	27.0-30.5 dB
DC Voltage	4-24 Volts
DC Current Min/Max	25mA Min. / 40mA Maximum
Noise Figure	3.8 dB Maximum
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-160D / 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.

Order at:

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