

Comant CI 401-460

ComDat GPS/XM

COBHAM

2008 Data Sheet

The most important thing we build is trust

CI 401-460 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 ARINC footprint, standard on many twin turbocraft 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.

The CI 401-460 replaces the CI 401-420.

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 / 26-30 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	26-30 dB
DC Voltage	4 V min. / 4.7 Typical / 5.5 V Max.
DC Current Min/Max	25mA Min. / 45 mA Typ / 55 mA Max.
Noise Figure	2.7 dB Maximum

Mechanical / Environmental

Weight	6.5 Ounces
RTCA Env. / TSO	DO 160-D / TSO C144
Connector	GPS - TNC Blue / XM - TNC Red

Not compatible with most portable receiver systems



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