Comant CI 428-410

ComDat GPS WAAS/XM

2008 Data Sheet

The most important thing we build is trust

CI 428-410 ComDat GPS WAAS/XM

Comant's newest ComDat GPS WAAS/XM antenna designed specifically to meet the GPS WAAS Gamma 3 specificatons required by the Garmin G1000 system.

Enables primary navigation using GPS WAAS, including terminal navigation and approach to landing.

XM Weather antenna is designed for low gain systems such as the Garmin GDL-69/69A or Heads Up systems with shorter coax runs.

Conforms to the popular ARINC footprint, standard on many twin turbocraft and business jets.

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 /25 dB Gain

Specifications

GPS Preamplifier Characteristics	
Frequency	1575.42 MHz +/- 3 Mhz
VSWR	1.5:1 Maximum
Polarization	RHCP
Radiation Pattern	Hemispherical
Impedance	50 Ohms
Gain @ 1575.42 MHz	26.5-30.1 dB
DC Voltage	4-24 Volts
DC Current Min/Max	40mA Min. / 60mA Max.
Noise Figure	2.5 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	25 +/-2 dB
DC Voltage	3.6 - 24 Volts
DC Current Min/Max	35mA - 55 mA
Noise Figure	2.7 dB Maximum
Mechanical / Environmental	
Weight	6.5 Ounces
RTCA Env. / TSO	DO-160D / TSO C144
Connector	GPS - TNC Blue / XM - TNC Red

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