

Comant CI 429-410

ComDat WAAS GPS/XM

COBHAM

The most important thing we build is trust

CI 429-410 ComDat® WAAS GPS/XM

Comant has developed the first and only FAA TSO'd GPS/XM antenna qualified under new, stringent C190 WAAS requirements. Using the popular ARINC 743 footprint, this WAAS GPS will operate with any DO-301 qualified WAAS GPS system providing full Gamma 2 & 3 and LPV capabilities.

The XM portion of the antenna will operate with popular panel mounted systems from Garmin and Heads Up.

Manufactured with a tough, Skydrol resistant radome and nickel plated aluminum base plate, the CI 429-410 comes standard with a Nitrile 'O' ring for positive sealing to the aircraft skin.

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 - 32.5 dB gain

XM 2332.5 - 2345.0 MHz/ 25.0 +/- 2 dB gain

Specifications

GPS Preamplifier Characteristics

Frequency	1575.42 +/- 10.23MHz
VSWR	1.5:1
Polarization	RHCP
Radiation Pattern	Omnidirectional
Impedance	50 Ohms (Nominal)
Gain @ 1575.42 MHz	26.5dB MIN - 32.5dB MAX
DC Voltage	4 to 24 VDC
DC Current Min/Max	40mA TYP / 60mA MAX
Noise Figure	2.5dB MAX
Stability	Unconditional

XM Weather Data Specification

Frequency	2332.5 to 2345.0MHz
VSWR	1.5:1
Polarization	LHCP
Radiation Pattern	Omnidirectional
Impedance	50 Ohms (Nominal)
Gain	25 +/- 2dB
DC Voltage	3.6 to 24 VDC
DC Current Min/Max	35 to 55mA
Noise Figure	2.7dB MAX

Mechanical / Environmental

Weight	8.5 Oz. MAX
Connectors	GPS TNC (Blue) / XM TNC (Red)
RTCA Env. / TSO	DO-160E / C190



WARNING: Use factory supplied drawings and specifications for installation. Refer to FAA AC 43.13-2B for installation guidelines.

Order at:

Tel: 714-870-2420 Fax: 714-870-6294
Email: comantorders@cobham.com