

Comant CI 429-410

COMDAT® GPS WAAS NAVIGATION / XM WEATHER & RADIO

CI 429-410 ANTENNA

Comant's ComDat® four-through-hole-mount style rectangle (ARINC 743A footprint) GPS WAAS / XM Weather & Radio antenna with dual TNC ports. This antenna covers both GPS / XM frequencies. GPS C190 certified class 3 LPV precision approaches. Designed to be used with 27 dB gain GPS panel mount and Garmin XM systems. Suitable for top mounting with both light and heavy fixed-wing single-engine / multi-engine and business jet aircraft.

GPS portion not compatible with most GPS hand held receiver systems.

APPLICATIONS

Light Fixed-Wing Single-Engine
Light Fixed-Wing Multi-Engine
Heavy Fixed-Wing Single-Engine
Heavy Fixed-Wing Multi-Engine
Business Jet

Warranty: 1 year

Always consult your installation shop for best application. See full disclaimer (Page 7) for more information.

FREQUENCIES COVERED

1575.42 MHz (L1 Band - GPS)
Nominal 27 dB Gain
2332.5 - 2345.0 MHz (S Band - XM)
Nominal 25 dB Gain

SPECIFICATIONS

GPS Preamplifier Characteristics

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

XM Weather Data Specification

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

Mechanical

Weight	8.5 oz.
Finish	Glossy White
Connector	GPS TNC (Blue) / XM TNC (Red)
'O' Ring Gasket	70486

Environmental

RTCA Env.	DO-160D
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Federal Specifications

TSO	C190
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