ComDat WAAS GPS/XM • CI 429-410

Frequency • **GPS 1575.42 MHz**
XM 2332.5 - 2345.0 MHz

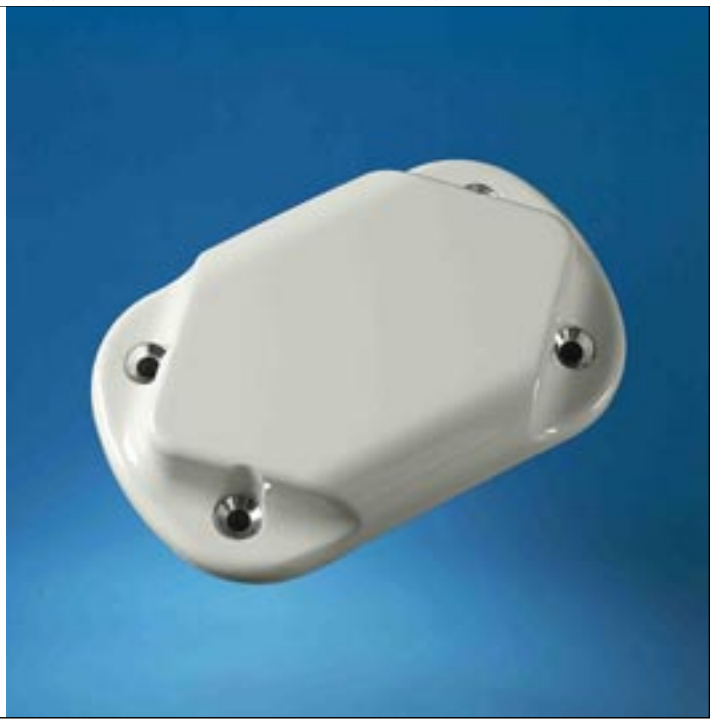
Gain • **GPS 26.5dB Minimum**
XM 25.0dB

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 hand-held GPS and XM systems.



MODEL - CI 429-410	
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 / XM TNC
RTCA Env. / TSO	DO-160E / C190