

# ComDat WAAS GPS • CI 429-200

**Frequency • GPS 1575.42 MHz**

**Gain • 26.5dB Minimum**

Comant's first FAA TSO'd GPS 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.

Environmentally tested under RTCA DO-160E standards, the CI 429-200 offers an extensive test pedigree that will meet many GPS system and aircraft requirements.

Manufactured with a tough, Skydrol resistant radome and nickel plated aluminum base plate, the CI 429-200 comes standard with a Nitrile 'O' ring for positive sealing to the aircraft skin.

**Not compatible with hand-held GPS systems.**



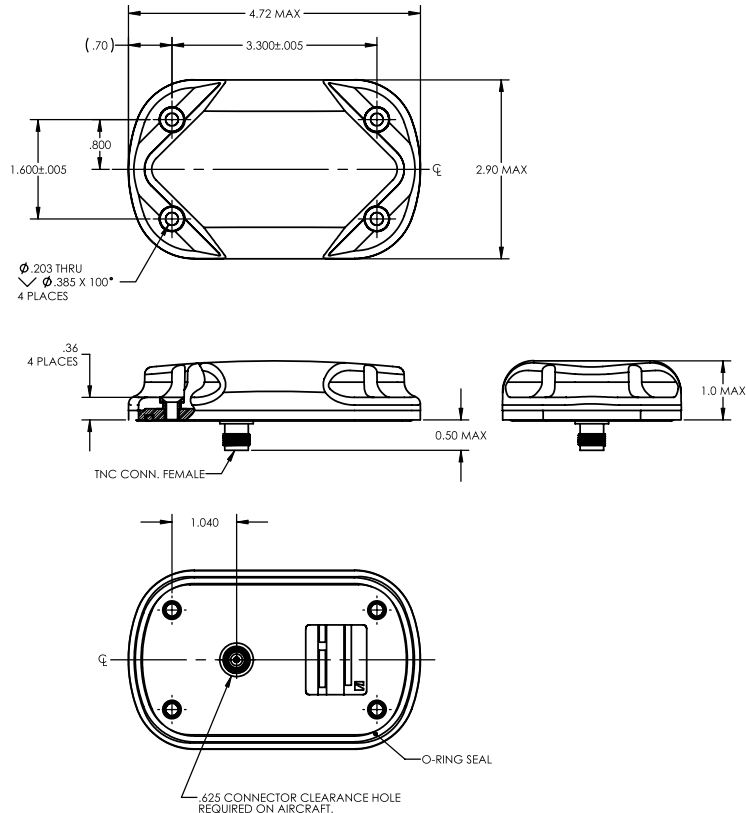
## MODEL - CI 429-200

### 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	40 mA TYP / 60 mA MAX
Noise Figure	2.5dB MAX
Stability	Unconditional

### Mechanical / Environmental

Weight	7.73 Oz. MAX
Finish	Glossy White
RTCA Env. / TSO	DO-160E / C190
Connector	TNC (Female)



**Warning:** Drawing not to scale. Use factory supplied drawings and specifications for installation. Refer to FAA AC 43.13-2A for installation guidelines. © 2008 Comant Industries, Inc. Patented. Other Patents Pending.