

# Comant CI 401-460

## COMDAT® GPS NON-WAAS NAVIGATION / XM WEATHER & RADIO

### CI 401-460 ANTENNA

Comant's ComDat® four-through-hole-mount style rectangle (ARINC 743A footprint) GPS non-WAAS / XM Weather & Radio antenna with dual TNC ports. This antenna covers both GPS / XM frequencies. GPS C144 certified for class 1 LNAV approaches (lateral navigation only). Designed to be used with 27 dB gain GPS panel mount 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 28 dB Gain

### SPECIFICATIONS

#### GPS Preamplifier Characteristics

Frequency	1575.42 MHz
VSWR	1.5:1 Max
Polarization	RHCP
Radiation Pattern	Hemispherical
Impedance	50 Ohms
Gain @ 1575.42 MHz	270-30.5 dB
DC Voltage	4-24 Volts
DC Curr. Min/Max	25 mA Min / 40 mA Max
Noise Figure	3.8 dB
Selectivity	-35 dB Min @ Satcom Frequency

#### XM Weather Data Specification

Frequency	2332.5-2345.0 MHz
VSWR	1.5:1 Max
Polarization	LHCP
Radiation Pattern	Hemispherical
Impedance	50 Ohms
Gain	26-30 dB
DC Voltage	4 V Min / 4.7 Typical / 5.5 V Max
DC Curr. Min/Max	25 mA Min / 45 mA Typ / 55 mA Max
Noise Figure	2.7 dB Max

#### Mechanical

Weight	6.5 oz.
Finish	Glossy White
Connector	GPS - TNC / XM - TNC

#### Environmental

RTCA Env.	DO-160D
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#### Federal Specifications

TSO	C144
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