

# Comant CI 420-220

## GPS NON-WAAS NAVIGATION

### CI 420-220 ANTENNA

Comant's four-through-hole-mount style teardrop non-WAAS GPS antenna with TNC port. 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 for both light and heavy fixed-wing single-engine / multi-engine, helicopter and business jet aircraft.

**GPS 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  
Helicopter  
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

### SPECIFICATIONS

#### GPS Preamplifier Characteristics

Frequency	1575.42 +/-3 MHz
VSWR	1.5:1 Max
Polarization	RHCP
Radiation Pattern	Hemispherical
Output Impedance	50 Ohms
Gain @ 1575.42 MHz	27.0 Min – 30.5 Max dB
DC Voltage	4 to 24 Volts
DC Curr. Min/Max	25 mA / 40 mA
Noise Figure	3.8 dB Max
Selectivity	-35 dB Min @ Satcom 1626.5 MHz

#### Mechanical

Weight	4.2 oz.
Finish	Glossy White
Connector	TNC (Female)

#### Environmental

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

TSO	C144
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