

Comant CI 2728-410

Lightning-Protected ComDat VHF/GPS/XM

COBHAM

2008 Data Sheet

The most important thing we build is trust

CI 2728-410 ComDat VHF/GPS/XM

Comant's ComDat triple function VHF/GPS/XM Weather antenna for twin and light jet aircraft. Comant's patented technology provides 80 dB of VHF harmonic suppression allowing VHF and GPS to function in one radome without in-line filters.

Specifically designed to meet the GPS WAAS Gamma 3 specifications required by the Garmin G1000 system. Enables primary navigation using GPS WAAS, including terminal navigation and approach to landing. XM Weather antenna is designed for low gain systems such as the Garmin GDL-69/69A or Heads Up systems with shorter coax runs.

Not compatible with most portable receiver systems.

Applications

Single and twin engine piston aircraft for applications of this antenna design. Some light turbine and light jets. Consult your FBO or installation shop for best application information.

Frequencies Covered

VHF 118-137 MHz
GPS 1575.4 +/- 3 MHz
XM 2332.5-2345.0 MHz

Specifications

VHF Specifications

| | |
|-------------------|-----------------|
| Frequency | 118-137 MHz |
| VSWR | 2.5:1 Maximum |
| Polarization | Vertical |
| Radiation Pattern | Omnidirectional |
| Impedance | 50 Ohms |
| Power Rating | 50 Watts |

Amplifier Specifications

| | GPS | XM/ Weather |
|-------------------|------------------|-------------------|
| Frequency | 1575.42 +/-3 MHz | 2332.5-2345.0 MHz |
| VSWR | 1.5:1 Max. | 1.5:1 Max. |
| Polarization | RHCP | LHCP |
| Radiation Pattern | Hemispherical | Hemispherical |
| Impedance | 50 Ohms | 50 Ohms |
| Gain | 26.5-30.1 dB | 3.6 -34 dB |
| DC Voltage | 4 - 24 Vdc | 4 - 24 Vdc |
| DC Curr. Min/Max | 40mA / 60mA | 35mA / 55mA |
| Noise | 2.5 dB Max | 2.7 dB Max |

Mechanical / Environmental

| | |
|-----------------|----------------------------------|
| Weight | 1.25 lb Maximum |
| RTCA Env. / TSO | DO 160D / C169, C144 |
| Connectors | VHF - BNC / GPS - TNC / XM - TNC |



WARNING: Use factory supplied drawings and specifications for installation. Refer to FAA AC 43.13-2B for installation guidelines.

For further information please contact:

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