

Comant CI 480-1

Globalstar SATCOM

COBHAM

2008 Data Sheet

The most important thing we build is trust

CI 480-1 Globalstar SATCOM

Dual-band active antenna operates at Globalstar frequencies, with continuous TX coverage from 1610 to 1626.5 MHz and RX band from 2483.5 to 2500 MHz. Receive side features a 29dB gain amplifier with high performance filtration and a built-in voltage regulator for DC bias operation of +3.3 and +28 vdc.

The CI 480-1 is standard equipment with Northern Airborne Technology's STX 100 Airborne Satellite Communication System™, capable of both voice and data operations.

This antenna has been tested with and is designed to operate with the NAT STX 100 from Northern Airborne Technologies only. Other Globalstar systems have not been tested and Comant cannot guarantee this antenna will operate properly with other systems.

Applications

Most aircraft up to and including business jets. Consult your FBO or installation shop for best application information.

Frequencies Covered

J1 Transmit 1610-1626.5 MHz
J2 Receive 2483.5-2500 MHz

Specifications

RF Characteristics

Frequency J1 TX 1610-1626.5 MHz

Frequency J1 RX 1575.42 MHz

Frequency J2 RX 2483.5-2500 MHz

VSWR 2.0:1 Maximum

Polarization LHCP

Radiation Pattern Hemispherical

Impedance RF 50 Ohms

Power Handling - TX 60 Watts

Power Handling - RX 1 Watt

Lightning Protection DC Grounded

Amplifier Characteristics

Gain 29 dB +/- 1.5 dB

DC Voltage +3.3 to +28 Volts

DC Current 50mA Maximum

Noise Figure 1.5 dB Maximum

Mechanical

Weight 1.0 lb

Speed 600 KTAS @ 55,000 ft.

Finish Gloss White Paint

Federal Specifications

FAA TSO C144

RTCA Environmental DO-160D



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

For further information please contact:

Cobham SATCOM Airborne Systems
577 Burning Tree Road
Fullerton, California 92833 USA
Tel: (01) 714-870-2420
Fax: (01) 714-870-5133
Email: comant@cobham.com