

Comant CI 101

Transponder

COBHAM

2008 Data Sheet

The most important thing we build is trust

CI 100 Series DME/Transponder

Transponder antenna with top loaded stub monopole. Antenna radiator is mechanically captivated and is machined from solid brass for impact resistance. Contact points are made from beryllium copper. Metallic parts are plated with bright nickel for corrosion protection. Mounts through a single 0.600" diameter mounting hole.

Applications

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

Frequencies Covered

1030-1090 MHz

Specifications

Electrical	
Frequency	1030 to 1090 MHz
	1.5:1 1030 MHz / Return Loss 14.0 dB
VSWR	1.5:1 1090 MHz / Return Loss 14.0 dB
Polarization	Vertical
Radiation Pattern	Equivalent of 1/4 wave stub typical
Impedance RF	50 Ohms
Resistance DC	Open Circuit
Power RF	1.0 KW Peak
Mechanical	
Weight	0.06 lb. Maximum
Height	3.33 in. Maximum
Finish	Tin-nickel Alloy
Connector	BNC (Female)
Environmental	
Temperature	-54C to +55C
Altitude	30,000 ft
Airspeed	300 KTAS
Federal Specifications	
RTCA Env. / MOPS	DO-138
FAA TSO	C74c



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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