

# Comant CI 101

## Transponder

**COBHAM**

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
VSWR	1.5:1 1030 MHz / Return Loss 14.0 dB 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

#### 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.

#### Order at:

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