# 21-14L

## CHELTON

**VOR/ILS** Antenna

### **Key features:**

Lightweight tube antenna.

The 21-14L and 21-41LT are airborne antenna systems intended for VOR/ ILS applications. Each antenna system comprises two centrally fed half loop antennas that must be fed in antiphase for correct function.

The **21-14LT** complies with the requirements for efficiency, gain and polarization of RTCA/ DO-196. It further complies with para 3.1 of ICAO Annex 10.

Each half loop is formed from stainless steel tubing with a fibreglass dielectric junction at its mid point. A T-adapter is needed to connect opposing antennas.

#### ELECTRICAL

Frequency Range (MHz)	108 - 118
Impedance	50 Ω
VSWR	<5:1
Polarisation	Horizontal
Radiation	Omnidirectional

#### MECHANICAL

Dimensions (LxWxH)	300 x 27 x 150 mm
Weight	0.4 (complete assy) kg
Connector	BNC
Platform(s)	Air



#### **ENVIRONMENTAL**

Environmental	DO-160
Continuous	- 40°C Min
Operating	+ 55°C Max
Temperature	
Altitude	25000 ft
Vibration	RTCA DO-160C, Sect 8, Cat Y

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