

# 21-14L

# CHELTON

## VOR/ILS Antenna

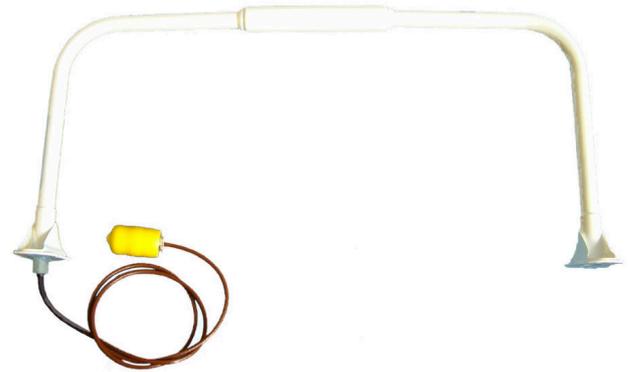
### Key features:

- **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

<b>Frequency Range (MHz)</b>	108 - 118
<b>Impedance</b>	50 $\Omega$
<b>VSWR</b>	<5:1
<b>Polarisation</b>	Horizontal
<b>Radiation</b>	Omnidirectional

### ENVIRONMENTAL

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

### MECHANICAL

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

