

957-000

CHELTON

VHF Ground To Air Antenna

The 957-000 is a folded-monopole antenna enclosed in a robust, fibreglass, radome, supported above an inclined counterpoise consisting of three, quarterwave, radial elements.

Operating over the frequency range of 115 MHz to 150 MHz, the antenna can be used at any frequency in the aeronautical VHF band. The concentric clamp at the base of the radome allows the antenna to be mounted to a vertical pole that has a 35 mm to 60 mm diameter

ELECTRICAL

Frequency	115 MHz - 150 MHz
Gain	≤ 2 dBi
Polarisation	Vertical
Radiation Pattern	Nominally omnidirectional in azimuth Similar to a vertical dipole in elevation
Power Rating	1.5 kW (PEP)
Impedance	50 ohm nominal
VSWR	2:1
Connector	N Type Female

MECHANICAL

Overall Height	950 mm
Diameter	500 mm (outside of groundplane radials)
Weight	3.5 kg (maximum)
Mounting	Concentric clamps for mounting onto 35 mm - 60 mm diameter pole



ENVIRONMENTAL

Temperature	-40 °C to +95°C
Humidity	Up to 100%
Wind	55 m/s (maximum)
Ice/Snow	25 mm radial ice (maximum)
Driving Rain	100 mm/h (maximum)



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