# 4310

## CHELTON

### Broadband UHF Antenna

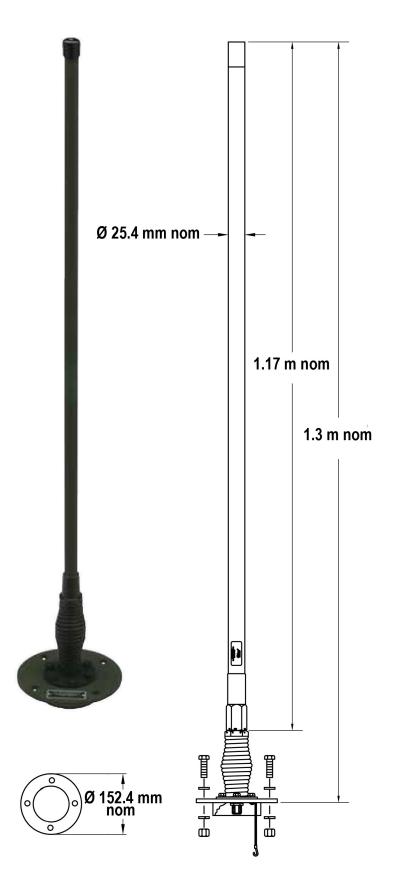
Chelton's' strategic marketing alliance with The Shakespeare Company has facilitated a broader portfolio of products to be offered in the market.

The **4310 Broadband UHF Antenna** is a centre-fed, coaxial sleeve dipole, which is sealed into a fibreglass radome to provide long-lasting protection from the elements. The internal elements are brass tubing for maximum conductivity and dependability.

The antenna has a broadband choking circuit to allow it to operate independently of a ground plane. This innovative feature permits the antenna to operate on vehicles, shelters, buildings, mast and shipboard. The built-in passive broadband matching network is engineered to provide instantaneous bandwidth across the full frequency spectrum, and is centred around a 50 ohm impedance.

Between the fibreglass radome and the mounting plate is a stainless steel spring, which allows flexing under impact. All metal parts are black oxide coated to resist a salt water environment.

A grounding strap and inch stainless steel screws and hardware are supplied.



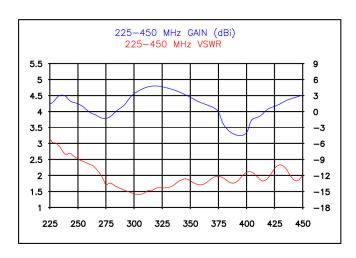
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#### **ELECTRICAL**

Frequency	225 MHz - 450 MHz
Gain	See gain plot below
Polarisation	Vertical
Impedance	50 ohm (nominal)
Radiation Pattern	Essentially omnidirectional in azimuth
VSWR	≤ 3.5:1
Power Rating	60 W CW (maximum) at 50 C
Connectors	N Type Female



### **MECHANICAL**

Dimensions	Height:	1.3 m (nominal)
	Base Diameter:	152 mm (nominal)
Weight	2.27 kg (nominal)	
Mounting Configuration	4-bolt US Standar	d

### **ENVIRONMENTAL**

Temperature	-45°C to +60°C	
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