

# 4265-BB

# CHELTON

## VHF/UHF Comms Antenna

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

The **4265-BB VHF/UHF Comms Antenna** is a center-fed, coaxial sleeve dipole, which is sealed into a fiberglass radome to provide long-lasting protection from the elements. The internal elements are brass tubing for maximum conductivity and dependability.

The **4265-BB** has a broadband choking circuit to allow the antenna to operate independent of a ground plane. This feature permits the antenna to operate on vehicles, shelters, buildings, mast, or 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 fiberglass radome and the mounting plate is a stainless steel spring, which allows flexing under impact. All metal parts are black oxide coated to resist salt water environment. A grounding strap is supplied.



### ELECTRICAL

<b>Frequency Range</b>	100 MHz - 512 MHz
<b>Gain</b>	3 dBi average over a 3 m x 3 m ground plane
<b>Polarisation</b>	Vertical
<b>Radiation Pattern</b>	Omnidirectional
<b>Power Rating</b>	75 W
<b>Impedance</b>	50 Ohm (nominal)
<b>VSWR</b>	Better than 2.8:1
<b>Coax Connector</b>	Type N

### MECHANICAL

<b>Height</b>	1474 mm (maximum)
<b>Diameter of Base</b>	100 mm
<b>Weight</b>	3.1 kg (maximum)
<b>Mounting Configuration</b>	4 bolt holes

### ENVIRONMENTAL

<b>Temperature</b>	Operating: +45°C to +60°C
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