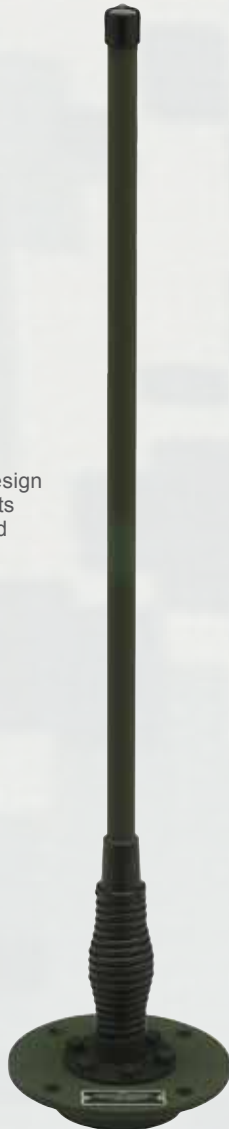


## VHF / UHF MILITARY, CIVIL DEFENSE, DISASTER PREPAREDNESS, AND GENERAL COMMUNICATIONS ANTENNA

Shakespeare's VHF /UHF broadband antennas can be best described electronically as center-fed, coaxial sleeve dipoles, which are sealed into fiberglass radomes to provide long-lasting protection from the elements. The internal elements are brass tubing for maximum conductivity and dependability.

Each antenna has a broadband choking circuit to allow the antenna to operate independent of a ground plane. This innovative feature permits the antennas 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 centered 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 and 1/2" stainless steel screws and hardware are supplied.



Shakespeare's unique design is protected by US Patents #4958164, #6429821 and others pending.

- Instantaneous Bandwidth
- Maximum Performance
- Feed-thru base with flexible shock spring
- ITAR governed item – requires DOS license prior to export

SPECIFICATIONS	
Frequency:	420-470 MHz
Power:	60 Watts
Impedance:	50 ohms
Gain:	4 dBi
VSWR:	Better than 2:1
Polarization:	Vertical
Operating Temp:	-45° to +60° C.
Coax Connector:	Type "N" Female
Ground Plane:	None required
Color:	CARC 383 Green
Mounting Pattern:	4-Bolt (CECOM Drawing A3207505)
Radiation:	Omnidirectional
Length:	26" nominal
Net Weight:	6 lbs.

*Shakespeare*<sup>®</sup>  
**Military Antenna Products**