

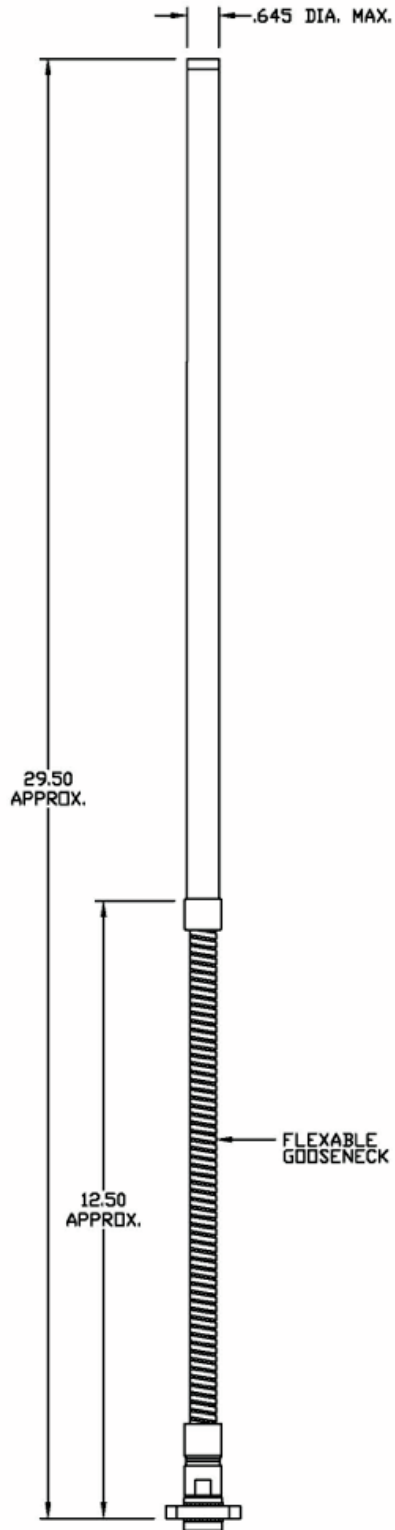
## PRODUCT DESCRIPTION

|              |                  |
|--------------|------------------|
| Model Number | AS-3448/PSQ-4    |
| Part Number  | A3005021         |
| NSN          | 5985-01-166-9123 |
| Market       | Military-Land    |

The AS-3448 Antenna is designed for use with the Position Location Reporting System (PLRS) Receiver/Transmitter RT-1343/TSQ-129. The antenna provides the function of the AS-3449/VSQ-1 for individual use. The antenna is produced to meet all of the requirements of the U.S. Army CECOM Specification A3005026. This includes a Mean Time Between Failure of more than 100,000 hours and capability of operation in 55 knot winds with gusts to 85 knots.

## PRODUCT SPECIFICATIONS

|                              |  |
|------------------------------|--|
| Application                  | Position Locating and Reporting                |
| Frequency                    | 420–450 MHz                                    |
| Impedance                    | 50 Ohms Nominal                                |
| VSWR                         | 2.25:1 Maximum                                 |
| Polarization                 | Vertical                                       |
| Pattern                      | Omni-Directional                               |
| Connector                    | “N” Male                                       |
| Max Weight                   | 1 lb.  |
| DC Resistance at Input       | 16,500 Ohms $\pm$ 10%                          |
| RF Power Capacity            | 10 Watt CW, 200 Watt peak                      |
| Gain                         | 1 dBi Minimum                                  |
| Directivity                  | $\pm$ 1 dB Omni-directional                    |
| Vertical Beamwidth (degrees) | 25° Minimum between -3 dB Points in Free Space |
| Color                        | CARC Green                                     |



(not to scale)