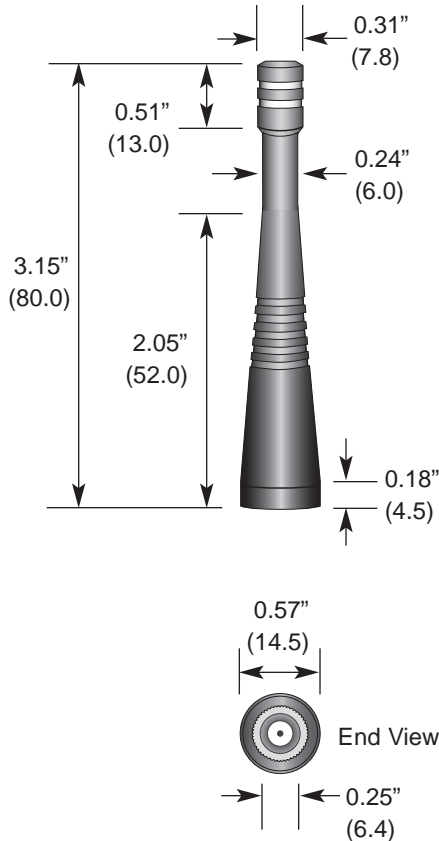


Product Dimensions



Description



CW Series 1/4-wave antennas deliver outstanding performance in a rugged and cosmetically attractive package. These antennas feature an SMA or FCC Part 15 compliant RP-SMA connector. This simplifies packaging and shipment, allowing for easy field replacement while complying with FCC requirements. A wide variety of matching connectors allows numerous mounting options. The 916MHz version is also available with a standard SMA connector.

Features

- Low cost
- Excellent performance
- Omni-directional pattern
- Wide bandwidth
- Very low VSWR
- Fully weatherized
- Flexible main shaft
- Rugged & damage-resistant
- Part 15 compliant RP-SMA connector
- Use with plastic* or metal enclosures

* Requires proximity ground plane

Electrical Specifications

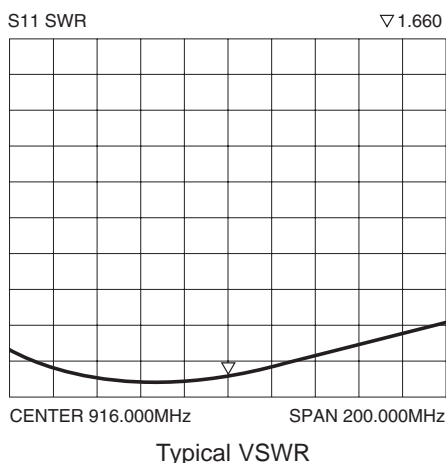
- Center Freq. 916MHz
- Bandwidth 100MHz
- Wavelength 1/4-wave
- VSWR <1.9 typ. at center
- Impedance 50 ohms
- Connector RP-SMA or SMA

Electrical specifications and plots measured on 4.00"x 4.00" reference ground plane

Ordering Information

- ANT-916-CW-QW (with RP-SMA connector)
- ANT-916-CW-QW-SMA (with SMA connector)

VSWR Graph



Typical VSWR

Polar Plot & Gain Information

Monopole antenna gain and radiation patterns are dependant on the ground plane and layout of the end product. Since antenna manufacturers do not measure on standardized ground references, comparison of published specifications is an unreliable indication of actual antenna performance in an end product. Optimum full-wave ground planes are impractical for the majority of products on which these antennas are used (the ground plane for 916MHz would be 26.5" in diameter, 418MHz would be 56.5" in diameter). For this reason, Antenna Factor tests and tunes antennas on reduced-size, compromised ground planes. To avoid mis-comparison or inappropriate application, gain and polar plots do not appear on this data sheet, but are available upon request for most products.