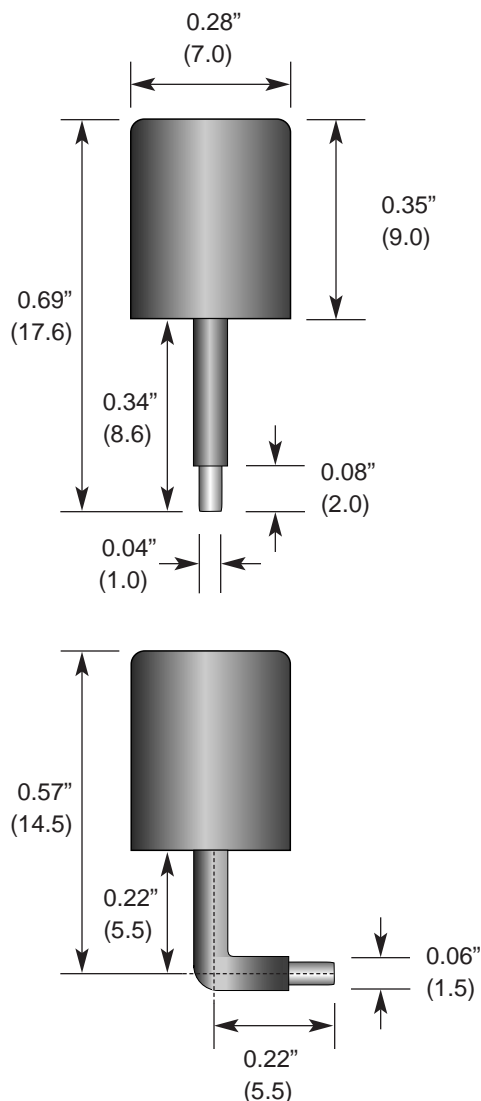


Product Dimensions



Description



The JJB Series packs near the performance of a conventional monopole into an incredibly compact quarter-inch (7mm) diameter package. These antennas are ideal for any OEM application requiring a compact, cosmetically-attractive, low-cost antenna solution. The antenna features a through-hole feedline that can attach directly to a user's PCB. Internal or external mounting is possible.

Features

- Very low cost
- Ultra-compact package
- Easily concealed internally
- Good for internal or external mounting
- Excellent performance
- Omni-directional pattern
- Use with plastic* or metal enclosures

* Requires proximity ground plane

Electrical Specifications

- Center Freq. 916MHz
- Bandwidth 30MHz
- Wavelength 1/4-wave
- VSWR ≤ 2.0 typ. at center
- Impedance 50 ohms
- Connection Direct solder

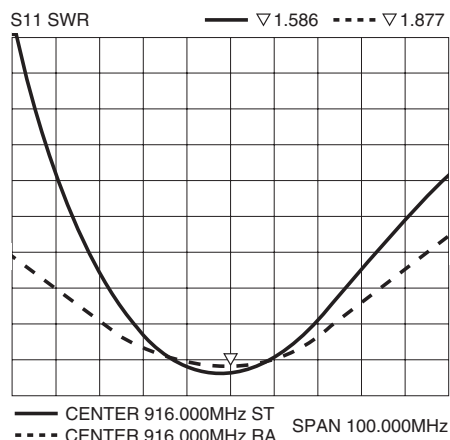
RA electrical specifications and plots measured on a 1.50" x 3.30" ground plane
ST electrical specifications and plots measured on a 3.50" x 3.50" ground plane

Ordering Information

- ANT-916-JJB-RA (Right-Angle)
- ANT-916-JJB-ST (Straight)

Antenna Gain :3.99 dBi

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.

