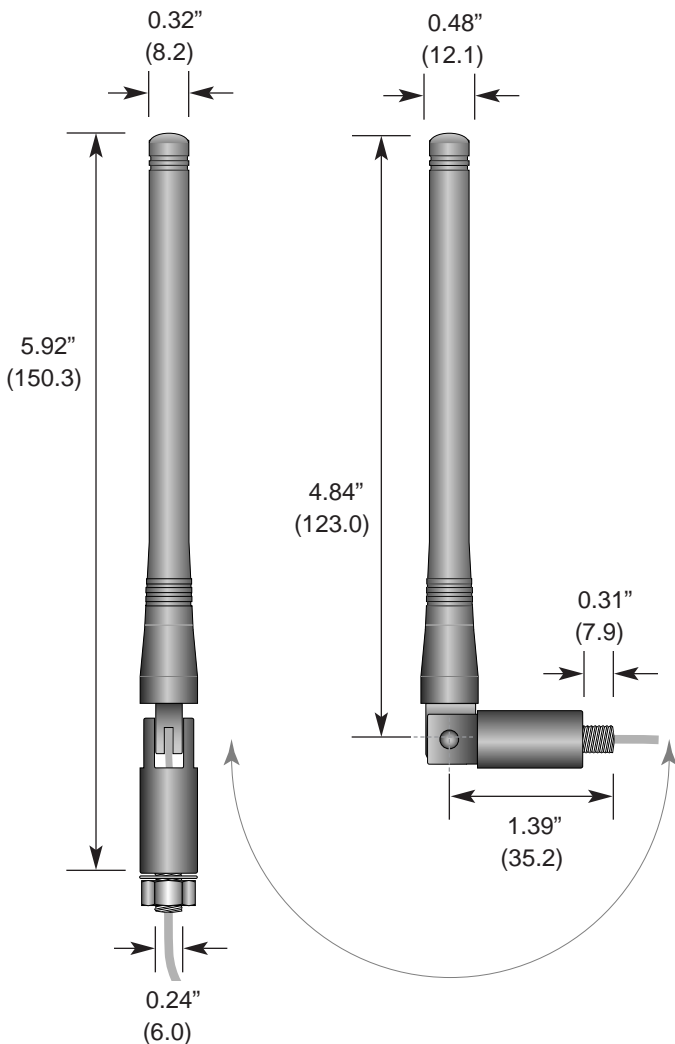


Product Dimensions



Description



Designed for permanent attachment, the PML 1/2-wave whip tilts 180 degrees and delivers outstanding performance in a cost-effective package. An internal counterpoise eliminates external ground plane dependence and maximizes performance. The antenna is attached by placing its base through a 1/4" hole in the product and securing it with a nut or by threading it into a PEM-style insert. This method of attachment is highly secure and saves the cost of an antenna connector. The PML attaches to a PCB or connector via 8.5" of RG-178 coax cable. Custom lengths and terminations are available by special order.

Features

- Cost-effective
- Internal counterpoise
- Tilts 180 degrees
- Outstanding performance
- Omni-directional pattern
- Low VSWR
- Integral 8½-inch RG-178 coax cable

Electrical Specifications

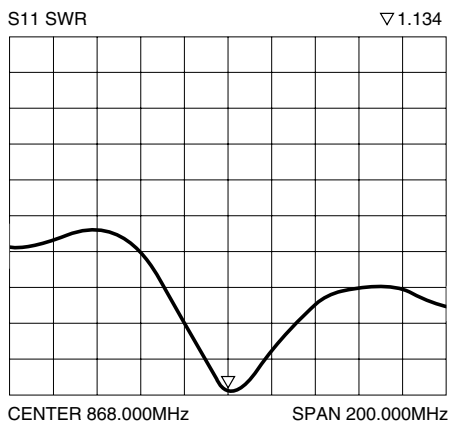
- Center Freq. 868MHz
- Bandwidth 30MHz
- Wavelength 1/2-wave
- VSWR <1.9 typ. at center
- Impedance 50 ohms
- Connection Case-mount
- Cable 8½-inch RG-178 coax

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

Ordering Information

- ANT-868-PML

VSWR Graph



Typical VSWR

Polar Plot & Gain Information

A common misconception about antennas with an internal counterpoise is that their characteristics are unaffected by external factors. While it is true that an external ground plane is not required for the antenna to operate correctly, the antenna's gain and radiation pattern will still be affected by external factors such as the product's housing, ground plane, and antenna location. 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.