

**EM-6899 | Antenna, Passive Vertical****Description**

The EM-6899 passive vertical 41 inch rod antenna intended for receiving or transmitting applications in the 1 kHz to 50 MHz frequency range. Typical applications include measurements of shielding effectiveness to MIL-STD-285 and NSA 65-6 and radiated immunity testing. A band switch optimizes the antenna's performance for two frequency ranges and it may be used with amplifiers as large as 300 watts continuous output power.

**Specifications****Electrical****Frequency Range (calibrated):**

1 kHz – 50 MHz

**Band 1:** 1 kHz – 5.0 MHz**Band 2:** 5.0 MHz – 50 MHz

(Calibration data valid only for a 41-inch antenna rod.)

**Input Impedance:** 50 Ohms, nominal**Input Power (maximum, continuous):**  
300 W**Input Power (peak):** 1000 W**Connector:** Type N, female**Mechanical****Height (base):** 15.2 cm (6")**Height (base & rod):**  
66.0 – 119.4 cm (26" – 47")**Width (base):** 7.6 cm (3")**Depth (base):** 7.6 cm (3")**Weight:** 1.36 kg (3.0 lbs.)

Ref: 110315

Specifications subject to change without notice.  
Unless otherwise specified, product is manufactured in  
Johnstown, NY USA.



