

**EM-6851 | Antenna, Omni Directional Wideband****Features**

- **Small size**
- **Wide frequency coverage**
- **Omni-directional response**
- **Compatible with any 50 ohm measurement instrument**
- **Flat frequency response**

**Description**

The new EM-6851 Omni-Directional Wideband Antenna is capable of operating as either a transmitting or receiving antenna over the 2 to 18 GHz frequency range. This antenna provides a 45% size reduction when compared to similarly performing models. The antenna is enclosed in a weather resistant radome. The length of the support rod allows a microwave amplifier to be connected directly to the output connector, reducing the potential signal loss compared to an amplifier connected at a more distant point.

**Specifications****Electrical****Frequency Range:** 2 GHz - 18 GHz**Polarization:** Vertical**Output Impedance:** 50 Ohms, nominal**VSWR, average:** < 2:1 typical**Gain:** 0 to +5 dBi**Connector:** Type SMA (Female)**Continuous Power:** 5 W**Mechanical****Diameter:** 10.16 cm (4")**Height, Shield Tube:** 4.90 cm (1 15/16")**Overall Height:** 33.0 cm (13")  
**(Antenna & Support Rod)****Weight:** .46 kg (1 lb.)**Rod Mounting:** Standard ¼ - 20 Thread**Antenna Mounting:** Mate to #8-32 Stud

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