

# **Product Specs**

## EM-6857 | Antenna, Ultra-Wideband,

### **Passive, Omni-Directional**



## **Description**

The Electro-Metrics EM-6857 Ultra-Wideband Passive Omni-Directional Antenna has an amazing frequency coverage from below 20 MHz to well above 40 GHz.

With nominal gains of 0 dBi or higher over 99.5% of the antenna coverage frequency range, this antenna is the perfect device for SIGINT or any other application where a small, rugged, high performance passive antenna is required.

#### **Specifications**

#### **Electrical**

Frequency Range: 20 MHz - 40 GHz

Beam-width: Omni-directional Impedance: 50 Ohms, Nominal Gain: 200 MHz - 40 GHz

Nominal 0dBi or Greater @ 100 MHz Nominal -17 dBi @ 20 MHz Nominal -40 dBi

Connector: Type 'k' (2.92 mm)

**Dimensions:** 

Overall Length: 44.5 cm (17.5")

With standard tripod mount: 58 cm (22.5")

**Diameter:** 11.5 cm (4.5") Weight: 1.3kg (2.8 lbs)

**Temperaure Ranges:** 

Operating: -20C to +50C Storage: -30C to +75C

#### Optional mounts available.



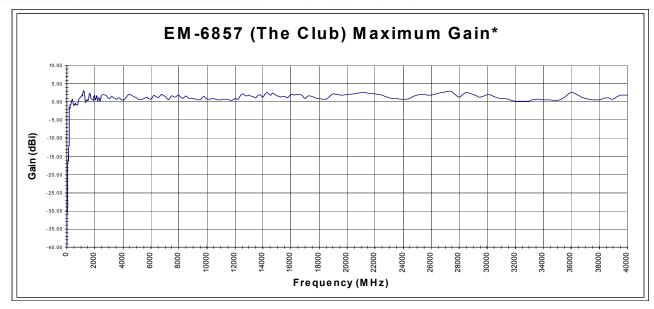
Roof Rack Mount ↑

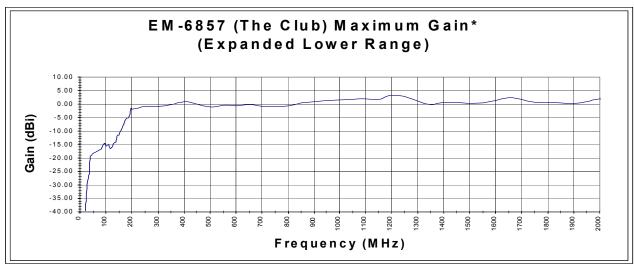
Specifications subject to change without notice. Unless otherwise specified, product is manufactured in Johnstown, NY, U.S.A. MADE IN US

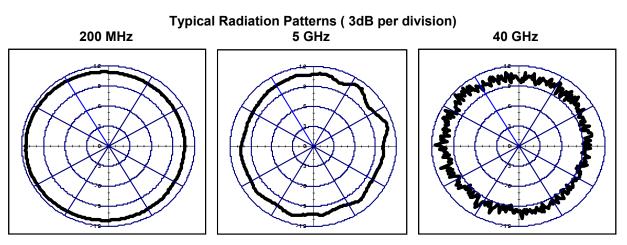


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<sup>\*</sup> Maximum Gain determined from scans at all radiation angles and elevations. Data shown is typical, not guaranteed.