EM-6857 | Antenna, Ultra-Wideband, Passive, Omni-Directional

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)

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

Optional mounts available.

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.
EM-6857 (The Club) Maximum Gain*  

Typical Radiation Patterns (3dB per division)

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