

## EM-6117 | Antenna, Vertical Collinear



### Description

The EM-6117 Vertical Collinear Antenna is a free space antenna that requires no ground plane. The antenna maintains an Omni directional pattern in the horizontal plane. The antenna is optimized for use in a variety of wireless systems. Some examples are WLAN, Video, PCS/PCN.

The optional antenna reflector Kit shapes the beam into a cardioid shape increasing gain and directivity.

### Specifications

#### Electrical

**Frequency Range:** 1.75 GHz -1.85 GHz

**Gain:** 6 dBi

**Bandwidth @  $\leq 2:1$  VSWR:** 100 MHz

**Impedance:** 50 Ohms

**Maximum Power Input:** 100 W

#### Mechanical

**Size:** 59.0 cm long (23.25")

3.8 cm wide (1.5 ") With  
optional reflector:  
5.97 cm (2 3/8")

**With optional reflector:** 5.97 cm (2 3/8")

**Weight:** 366G (0.8 lbs)

**Connector:** Type N female

Ref: 100405

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