

# Epsilon GPS Antenna 35 dB

## Description

The Epsilon GPS Antenna 35 dB is a high gain antenna designed for use in timing applications. Its excellent attenuation figure of 60 dB at  $\pm 50$  MHz from L1 GPS frequency allows efficient use where high levels of RF frequencies are experienced (for instance, around transmitter base stations).

## Main Specifications

### Frequency

**Frequency Range:** 1575.42  $\pm$  1.023 MHz

**Gain:** 35 dB typical

**Noise Figure:** 2.2 dB max (1.8 dB typical)

**Output Impedance:** 50  $\Omega$

**Out Band Rejection:**

Fo = 1575.42 MHz

Fo  $\pm$  50 MHz: 60 dB typical

### Power Supply

**Input Voltage:** 5 V  $\pm$  0.5 V

**Power Consumption:** 27 mA max

### Output

**Coaxial Connector Type:** N type female

### Environmental

**Operating Temperature:** -40° to 85°C

**Storage Temperature:** -45° to 90°C

**Humidity:** 40 to 95% RH

RoHS Compliant

### Physical Characteristics

**External Diameter:** 90 mm

**Antenna Height:** 98.4 mm (without connector)

**Fixation:** 4 M4 screws

**Weight:** 285  $\pm$  20 g

**Color:** White

### Accessories

Post mount kit

Lightning protection

In-line amplifier

