



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 ± 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 Ω

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

