



Epsilon Clock Accessories

GPS Antenna 35 dB



Note: A post mount kit is available

Frequency: 1575 MHz ± 1 MHz
 Filtering: -60 dB @ 1525 MHz
 -60 dB @ 1625 MHz
 Impedance: 50 Ω
 Gain: 35 dB typical
 Noise: 2.2 dB
 Connector: N type female

Humidity: 40 to 95% RH
 Power Supply: 5 V ± 0.5 V
 Weight: 285 g
 Operating Temperature: -40° to 85°C
 Storage Temperature: -45° to 90°C
 Fixation: 4 M4 Screws
 RoHS Compliant

GPS Line Amplifier



Frequency: L1/L2 and GLONASS bands
 Impedance: 50 Ω
 Gain: => 20 dB
 Noise: < 3.0 dB
 Connector: N Male-Female
 VSWR: < 1.8:1

Power Supply: 3.6 to 15 Vdc
 Current: 15 mA typical
 Weight: 88.7 g
 Operating Temperature: -40° to +75°C
 Humidity: 100%
 RoHS Compliant

GPS Lightning Protection 'Through Plate'



Impedance: 50 Ω
 Bandwidth: 0 to 3000 MHz
 R.O.S: < 1.1 (-25 dB) @ 1.5 GHz
 Connector: N Female-Female
 Insertion Loss at 1500 MHz: < 0.2 dB
 Weight: < 500 g

Number of Protection:
 8 x 20 μs – 20 kA: 1 time
 8 x 20 μs – 10 kA: 10 times
 RoHS Compliant

GPS Antenna Cables

For the connection of the GPS Antenna to the Epsilon Clock, several types of cable are available including KX4/RG213 and KX15/RG48 with various standard length (10 m, 25 m, 50 m, 100 m) and N male - N male or N male - TNC male connectors.

RS-232 cable for ToD output (3 m), RS-232 cable for control status interface (3 m) and DC power cable (3 m) from the Epsilon Clock to a computer for instance, are also available.

RoHS Compliant.

GPS Splitters



GPS Splitter 1 > 4

1 input - 4 outputs
 DC Block with load
 N connectors (female)
 -6 dB/output (typical)
 N female/N female adapter
 Typical Weight: < 750g
 RoHS Compliant

GPS Splitter 1 > 2

1 input - 2 outputs
 DC Block with load
 N connectors (female)
 -3 dB/output (typical)
 RoHS Compliant

Specification 4503-E1

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