Epsilon Clock Accessories

GPS Antenna 35 dB

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
Opertating 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/ouput (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

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