

## GPS Attenuator



The **XXATTENPDC GPS ATTENUATOR** from GPS Networking, Inc. is designed specifically for the GPS L1/L2 carrier frequencies. The XXATTENPDC lowers the RF level of the GPS signal by the value of XX which is designated by the customer. This value can be from 1-20 dB in 1 dB steps. The DC voltage is then passed on to the intended GPS antenna or source.

### Mechanical

| Dimensions                             |                  |
|--|------------------|
| Height                                 | 22,0 mm          |
| Width (+11mm including mounting tabs)  | 19,0 mm          |
| Length (not including connectors) Body | 63,5 mm          |
| Weight                                 | 88,7 g           |
| <b>Operating Temperature Range</b>     | - 40°C to + 75°C |

### Electrical

| Parameter                             | Conditions       | Min | Typ     | Max | Units    |
|---------------------------------------|------------------|-----|---------|-----|----------|
| Frequency Range                       | Ant - J1         | 1.1 |         | 1.7 | GHz      |
| Input/Output Impedance <sup>(1)</sup> | Ant - J1         |     | 50      |     | $\Omega$ |
| Attenuation L1                        | Ant - J1         |     | -4.949  |     | dB       |
| Attenuation L2                        | Ant - J1         |     | -5.391  |     | dB       |
| SWR L1                                | J1 - 50 $\Omega$ |     | 1.213:1 |     | -        |
| SWR L2                                | J1 - 50 $\Omega$ |     | 1.377:1 |     | -        |

(1) Input/Output Impedance = 75 $\Omega$  for 75 $\Omega$  connector option.

(2) For XX = -5db (attenuation)