

**COAXIAL FIXED ATTENUATOR, 50 Ohm, 3 dB, PC 1.85**

6603\_PC185-50-1/199\_N

**Properties**

- Wide range of interfaces
- Various bandwidth to improve the impedance matching between subsystems of its waveform
- Used in many test and measurement and communication applications.

**Product configuration**

|           |               |          |
|-----------|---------------|----------|
| Interface | Gender        | Standard |
| PC 1.85   | plug (male)   |          |
| PC 1.85   | jack (female) |          |

**Electrical data**

|                     |                  |
|---------------------|------------------|
| Impedance           | 50Ω              |
| Operating frequency | 0 GHz ... 67 GHz |
| Attenuation nominal | 3 dB             |
| VSWR                | 1.3              |
| Return loss         | 17.7 dB          |

**Electrical Data (frequency related)**

| Frequency range | Attenuation deviation | VSWR max |
|-----------------|-----------------------|----------|
| 0 GHz to 67 GHz | +/- 0.6 dB            | 1.3      |

**Electrical Data (power)**

|               |                                                                                            |
|---------------|--------------------------------------------------------------------------------------------|
| Average power | 2 W at 25 °C ambient temperature. Linearly derated to 0.2 W at 100 °C ambient temperature. |
| Peak power    | 50 W, 5 μs pulse width, 2 % duty cycle                                                     |

**Interface and material data**

|                    |                         |                      |
|--------------------|-------------------------|----------------------|
| Interface          | PC 1.85 / plug (male)   |                      |
| <b>Piece parts</b> | <b>Material</b>         | <b>Plating</b>       |
| Centre contact     | Copper Beryllium Alloy  | Gold Plating         |
| Body               | Stainless Steel         | Passivated (Plating) |
| Insulator          | PEI (Polyether-imide)   |                      |
| Interface          | PC 1.85 / jack (female) |                      |
| <b>Piece parts</b> | <b>Material</b>         | <b>Plating</b>       |

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| Interface and material data |                        |                      |
|-----------------------------|------------------------|----------------------|
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| Body                        | Stainless Steel        | Passivated (Plating) |
| Insulator                   | PEI (Polyether-imide)  |                      |

| Mechanical data |           |
|-----------------|-----------|
| Weight          | 0.0035 kg |

| Environmental data    |                   |
|-----------------------|-------------------|
| Operation temperature | -55 °C ... 100 °C |

| Ordering Information Table |                        |                |
|----------------------------|------------------------|----------------|
| Item number                | Item description       | Packaging type |
| 85247566                   | 6603_PC185-50-1/199_NE | Single         |

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