

COAXIAL FIXED ATTENUATOR, 50 Ohm, 10 dB, SMA

5910_SMA-50-005/19-_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 |
| SMA | plug (male) | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |
| SMA | jack (female) | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |

| Electrical data | |
|---------------------|------------------|
| Impedance | 50Ω |
| Operating frequency | 0 GHz ... 18 GHz |
| Attenuation nominal | 10 dB |
| VSWR | 1.3 |
| Return loss | 17.7 dB |

| Electrical Data (frequency related) | | |
|-------------------------------------|-----------------------|----------|
| Frequency range | Attenuation deviation | VSWR max |
| 0 GHz to 18 GHz | +/- 0.6 dB | 1.3 |

| Electrical Data (power) | |
|-------------------------|--|
| Average power | 5 W at 25 °C ambient temperature. Linearly derated to 0.5 W at 100 °C ambient temperature. |
| Peak power | 500 W, 5 μs pulse width, 0.5 % duty cycle |

| Interface and material data | | |
|-----------------------------|--------------------------------|----------------------|
| Interface | SMA / plug (male) | |
| Piece parts | Material | Plating |
| Centre contact | Copper Beryllium Alloy | Gold Plating |
| Outer conductor | Stainless Steel | Passivated (Plating) |
| Body | Aluminium | Anodized |
| Insulator | PTFE (Polytetrafluoroethylene) | |
| Coupling nut | Stainless Steel | Passivated (Plating) |

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| Interface | SMA / jack (female) | |
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| Centre contact | Copper Beryllium Alloy | Gold Plating |
| Outer conductor | Stainless Steel | Passivated (Plating) |
| Body | Aluminium | Anodized |
| Insulator | PTFE (Polytetrafluoroethylene) | |

| Mechanical data | |
|-----------------|----------|
| Weight | 0.001 kg |

| Environmental data | |
|-----------------------|-------------------|
| Operation temperature | -55 °C ... 125 °C |

| Ordering Information Table | |
|----------------------------|------------------------|
| Item number | Item description |
| 85177180 | 5910_SMA-50-005/19-_NE |

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DOCUMENT PIM-P1836 / Date of publication: 21.11.2024 / uncontrolled copy