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DATA SHEET

# COAXIAL FIXED ATTENUATOR, 50 Ohm, 3 dB, N

5903.17.0004

## 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 |
| N | plug (male) | IEC 60169-16_MIL-STD-348A/304_CECC 22210 |
| N | jack (female) | IEC 60169-16_MIL-STD-348A/304_CECC 22210 |

| Electrical data | |
|---|---|
| Impedance | 50Ω |
| Operating frequency | 0 GHz ... 6 GHz |
| Attenuation nominal | 3 dB |
| VSWR | 1.25 |
| Return loss | 19.1 dB |

| Electrical Data (frequency related) | | |
|---|---|---|
| **Frequency range** | **Attenuation deviation** | **VSWR max** |
| 0 GHz to 6 GHz | +/- 0.5 dB | 1.25 |

| Electrical Data (power) | |
|---|---|
| Average power | 25 W at 25 °C ambient temperature. Linearly derated to 2.5 W at 100 °C ambient temperature. |
| Peak power | 1000 W, 5 µs pulse width, 1 % duty cycle |

| Interface and material data | | |
|---|---|---|
| Interface | N / plug (male) | |
| **Piece parts** | **Material** | **Plating** |
| Centre contact | Copper Beryllium Alloy | Gold Plating |
| Outer conductor | Brass | Tri-metal Plating |
| Body | Brass | Tri-metal Plating |
| Insulator | PTFE (Polytetrafluoroethylene) | |

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| Interface and material data | | |
|---|---|---|
| Coupling nut | Brass | Tri-metal Plating |
| Gasket | VMQ (Silicone rubber) | |
| Interface | N / jack (female) | |
| **Piece parts** | **Material** | **Plating** |
| Centre contact | Copper Beryllium Alloy | Gold Plating |
| Outer conductor | Brass | Tri-metal Plating |
| Body | Brass | Tri-metal Plating |
| Insulator | PTFE (Polytetrafluoroethylene) | |

| Mechanical data | |
|---|---|
| Weight | 0.135 kg |

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

| Ordering Information Table | |
|---|---|
| Item number | Item description |
| 85177178 | 5903.17.0004 |

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