DATA SHEET

# COAXIAL FIXED ATTENUATOR, 50 Ohm, 7 dB, N

6807_N-50-1/1--_N

## Properties

- Wide range of interfaces
- Fixed attenuation level from 0 dB up to 40 dB
- 50 Ω or 75 Ω impedance
- 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 | 7 dB |
| VSWR | 1.25 |
| Return loss | 19.1 dB |

| Electrical Data (frequency related) | | |
|---|---|---|
| **Frequency range** | **Attenuation deviation** | **VSWR max** |
| 0 GHz to 6 GHz | +/- 0.3 dB | 1.25 |

| 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 | 250 W, 5 µs pulse width, 0.4 % duty cycle |

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| 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 | PEI (Polyether-imide) | |
| 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 | PEI (Polyether-imide) | |

| Mechanical data | |
|---|---|
| Weight | 0.055 kg |

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

| Ordering Information Table | |
|---|---|
| Item number | Item description |
| 85177130 | 6807_N-50-1/1--_NE |

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DOCUMENT PIM-P41248 / Date of publication: 16.05.2024 / uncontrolled copy