

**COAXIAL FIXED ATTENUATOR, 50 Ohm, 6 dB, N**

5906\_N-50-6/133\_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                                 |
| 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 | 6 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           | 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                   | N / plug (male)                |                   |
| <b>Piece parts</b>          | <b>Material</b>                | <b>Plating</b>    |
| 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          | 0.07 kg |

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

| Ordering Information Table |                    |
|----------------------------|--------------------|
| Item number                | Item description   |
| 85177169                   | 5906_N-50-6/133_NE |

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