

**COAXIAL ADAPTER, N - SMC, 50 Ohm, plug / jack (male / female)**

33\_N-SMC-50-1/1--\_N

**Properties**

- Wide range of different configurations
- Most common interfaces available
- Accurate transitions
- Effective and reliable interconnection solutions
- Appropriate materials



| Product configuration |               |                                          |
|-----------------------|---------------|------------------------------------------|
| Interface type        | Gender        | Standard                                 |
| N                     | plug (male)   | IEC 61169-16_MIL-STD-348A/304_CECC 22210 |
| SMC                   | jack (female) | IEC 60169-9_MIL-STD-348A/312_CECC 22140  |

| Interface and material data |                       |                                            |
|-----------------------------|-----------------------|--------------------------------------------|
| N                           |                       |                                            |
| Piece parts                 | Material              | Plating                                    |
| Centre contact              | Brass                 | Gold Plating (without Nickel underplating) |
| Outer conductor             | Brass                 | SUCOPLATE (R) Plating                      |
| Body                        | Brass                 | SUCOPLATE (R) Plating                      |
| Insulator                   | PFA / PTFE            |                                            |
| Coupling nut                | Brass                 | SUCOPLATE (R) Plating                      |
| Gasket                      | VMQ (Silicone rubber) |                                            |
| SMC                         |                       |                                            |
| Piece parts                 | Material              | Plating                                    |
| Centre contact              | Brass                 | Gold Plating (without Nickel underplating) |
| Body                        |                       | SUCOPLATE (R) Plating                      |
| Insulator                   | PFA / PTFE            |                                            |

| Electrical data     |        |
|---------------------|--------|
| Impedance           | 50 Ω   |
| Interface frequency | 10 GHz |

| Electrical Data (frequency related) |             |      |
|-------------------------------------|-------------|------|
| Frequency range                     | Return loss | VSWR |
| 0 GHz ... 2 GHz                     | 26 dB       | 1.1  |
| 2 GHz ... 4 GHz                     | 20 dB       | 1.2  |

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| Electrical Data (frequency related) |                      |                |
|-------------------------------------|----------------------|----------------|
| Frequency range                     | Return loss          | VSWR           |
| 4 GHz ... 10 GHz                    | 15 dB                | 1.4            |
|                                     |                      |                |
| Mechanical data                     |                      |                |
| Weight                              | 0.0293 kg            |                |
| Mating cycles                       | 500                  |                |
|                                     |                      |                |
| Environmental data                  |                      |                |
| Operation temperature               | -65 °C ... 165 °C    |                |
|                                     |                      |                |
| Ordering Information Table          |                      |                |
| Item number                         | Item description     | Packaging type |
| 22542423                            | 33_N-SMC-50-1/1--_NE | Single         |

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DOCUMENT PIM-P2190 / Date of publication: 12.04.2024 / uncontrolled copy