

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

33\_SMC-N-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                                 |
| SMC                   | plug (male)   | IEC 60169-9_MIL-STD-348A/312_CECC 22140  |
| N                     | jack (female) | IEC 61169-16_MIL-STD-348A/304_CECC 22210 |

| Interface and material data |                        |                                            |
|-----------------------------|------------------------|--------------------------------------------|
| SMC                         |                        |                                            |
| <b>Piece parts</b>          | <b>Material</b>        | <b>Plating</b>                             |
| Centre contact              | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Outer conductor             | Brass                  | Gold Plating (Nickel underplated)          |
| Body                        | Brass                  | SUCOPLATE (R) Plating                      |
| Insulator                   | PFA / PTFE             |                                            |
| Coupling nut                | Brass                  | Gold Plating (Nickel underplated)          |
| N                           |                        |                                            |
| <b>Piece parts</b>          | <b>Material</b>        | <b>Plating</b>                             |
| Centre contact              | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Outer conductor             | Brass                  | SUCOPLATE (R) Plating                      |
| Body                        | Brass                  | SUCOPLATE (R) Plating                      |
| Insulator                   | PFA / PTFE             |                                            |

| Electrical data     |             |
|---------------------|-------------|
| Impedance           | 50 $\Omega$ |
| 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                              |                                   | 0.0201 kg                       |                      |
| Mating cycles                       |                                   | 500                             |                      |
|                                     |                                   |                                 |                      |
| Environmental data                  |                                   |                                 |                      |
| Operation temperature               |                                   | -65 °C ... 165 °C               |                      |
|                                     |                                   |                                 |                      |
| Material compliance                 |                                   |                                 |                      |
| Item number                         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 22640406                            | RoHS 2011/65/EU and (EU) 2015/863 | Compliant with exemption        | 6c                   |
|                                     | REACH 1907/2006 Article 33 SVHC   | Contains one or more SVHC >0,1% | CAS: 7439-92-1 Lead  |
|                                     |                                   |                                 |                      |
| Ordering Information Table          |                                   |                                 |                      |
| Item number                         | Item description                  |                                 | Packaging type       |
| 22640406                            | 33_SMC-N-50-1/1--_NE              |                                 | Single               |

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