

**COAXIAL ADAPTER, N - SMB, 50 Ohm, jack / jack (female / female)**

31\_N-SMB-50-1/1--\_U

**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                     | jack (female) | IEC 61169-16_MIL-STD-348A/304_CECC 22210 |
| SMB                   | jack (female) | IEC 60169-10_MIL-STD-348A/311_CECC 22130 |

| Interface and material data |                        |                                            |
|-----------------------------|------------------------|--------------------------------------------|
| 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             |                                            |
| SMB                         |                        |                                            |
| <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 (without Nickel underplating) |
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| Insulator                   | PFA / PTFE             |                                            |

| Electrical data     |                                                 |
|---------------------|-------------------------------------------------|
| Impedance           | 50 Ω                                            |
| Interface frequency | 4 GHz                                           |
| VSWR                | DC - 3 GHz ( $\leq 1.03 + 0.08 f \text{ GHz}$ ) |

| Electrical Data (frequency related) |                    |             |
|-------------------------------------|--------------------|-------------|
| <b>Frequency range</b>              | <b>Return loss</b> | <b>VSWR</b> |
| 3 GHz ... 4 GHz                     | 18 dB              | 1.27        |

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| Mechanical data            |                      |                |
|----------------------------|----------------------|----------------|
| Weight                     | 0.0203 kg            |                |
| Mating cycles              | 500                  |                |
|                            |                      |                |
| Environmental data         |                      |                |
| Operation temperature      | -65 °C ... 165 °C    |                |
|                            |                      |                |
| Ordering Information Table |                      |                |
| Item number                | Item description     | Packaging type |
| 22542387                   | 31_N-SMB-50-1/1--_UE | Single         |

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