

**COAXIAL ADAPTER, SMA - TNC, 50 Ohm, plug / plug (male / male)**

32\_SMA-TNC-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                                 |
| SMA                   | plug (male) | IEC 60169-15_MIL-STD-348A/310_CECC 22110 |
| TNC                   | plug (male) | IEC 60169-17_MIL-STD-348A/313_CECC 22200 |

| Interface and material data |                        |                                            |
|-----------------------------|------------------------|--------------------------------------------|
| SMA                         |                        |                                            |
| <b>Piece parts</b>          | <b>Material</b>        | <b>Plating</b>                             |
| Centre contact              | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Outer conductor             | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Body                        | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Insulator                   | PFA / PTFE             |                                            |
| Coupling nut                | Bronze                 | Gold Plating (without Nickel underplating) |
| Gasket                      | VMQ (Silicone rubber)  |                                            |
| TNC                         |                        |                                            |
| <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             |                                            |
| Coupling nut                | Brass                  | SUCOPLATE (R) Plating                      |
| Gasket                      | VMQ (Silicone rubber)  |                                            |

| Electrical data     |        |
|---------------------|--------|
| Impedance           | 50 Ω   |
| Interface frequency | 11 GHz |

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| Electrical Data (frequency related) |             |      |
|-------------------------------------|-------------|------|
| Frequency range                     | Return loss | VSWR |
| 0 GHz ... 4 GHz                     | 26 dB       | 1.1  |
| 4 GHz ... 8 GHz                     | 20 dB       | 1.2  |
| 8 GHz ... 11 GHz                    | 17 dB       | 1.3  |

| Mechanical data |           |
|-----------------|-----------|
| Weight          | 0.0161 kg |
| Mating cycles   | 500       |

| Environmental data    |                   |
|-----------------------|-------------------|
| Operation temperature | -65 °C ... 165 °C |

| Material compliance |                                   |                                 |                      |
|---------------------|-----------------------------------|---------------------------------|----------------------|
| Item number         | Directive / Regulation            | Rating                          | Exemptions / Details |
| 22640938            | 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 |
| 22640938                   | 32_SMA-TNC-50-1/1--_UE | Single         |

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