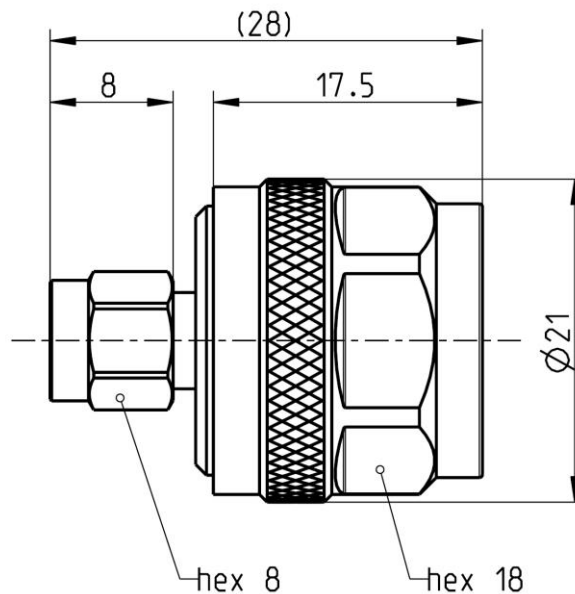


SMA

Adaptor  
SMA Plug – N Plug

**32S153-S00L5**



All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**

|              |           |   |
|--------------|-----------|---|
| According to | SMA side: | IEC 60169-15, EN 122110, MIL-STD-348A, Fig. 310 |
|              | N side:   | IEC 61169-16, MIL-PRF-39012, CECC 22210         |

**Documents**

N/A

**Material and plating**

**Connector parts**

- Center contact
- Outer contact SMA side
- Outer contact N side
- Dielectric
- Gasket
- Coupling nut SMA side

**Material**

- Brass
- CuBe or equiv.
- Brass
- PTFE
- Silicone
- CuBe or equiv.

**Plating**

- AuroDur®, gold plated
- AuroDur®, gold plated
- Nickel, 2.5-5 µm
- Gold, 0.1 µm

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SMA

Adaptor  
SMA Plug – N Plug

**32S153-S00L5**

**Electrical data**

|  |                         |                   |
|--|-------------------------|-------------------|
| Impedance                                      | 50 Ω                    |                   |
| Frequency                                      | DC to 12 GHz            |                   |
| VSWR   | ≤ 1.10, DC to 6 GHz     |                   |
|  | ≤ 1.20, 6 to 12 GHz     |                   |
| Insertion loss                                 | ≤ 0.03 x √f(GHz) dB     |                   |
| Insulation resistance                          | ≥ 5 x10 <sup>3</sup> MΩ |                   |
| Center contact resistance                      | ≤ 3 mΩ, SMA side        | ≤ 1 mΩ, N side    |
| Outer contact resistance                       | ≤ 2 mΩ, SMA side        | ≤ 0.25 mΩ, N side |
| Test voltage                                   | 1000 V rms              |                   |
| Working voltage                                | 480 V rms               |                   |
| Power handling (at 20 °C, sea level, VSWR 1.0) | ≤ 200 W @ 2 GHz         |                   |
| RF-leakage                                     | ≥ 100 dB up to 1 GHz    |                   |

**Mechanical data**

|                                   |                  |                  |
|-----------------------------------|------------------|------------------|
|                                   | N side           | SMA side         |
| Mating cycles                     | min. 500         | min. 500         |
| Coupling nut retention            | ≥ 450 N          | ≥ 270 N          |
| Center contact captivation: axial | ≥ 28 N           | ≥ 28 N           |
| Coupling test torque              | max. 1.7 Nm      | max. 1.7 Nm      |
| Recommended torque                | 0.7 Nm to 1.1 Nm | 0.8 Nm to 1.1 Nm |

**Environmental data**

|                     |                                 |
|---------------------|---------------------------------|
| Temperature range   | -55°C to +155°C                 |
| Thermal shock       | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion           | MIL-STD-202, Meth. 101, Cond. B |
| Vibration           | MIL-STD-202, Meth. 204, Cond. D |
| Shock               | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106          |
| RoHS                | compliant                       |

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 29 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



|           |          |             |          |      |                           |                |          |
|-----------|----------|-------------|----------|------|---------------------------|----------------|----------|
| Draft     | Date     | Approved    | Date     | Rev. | Engineering change number | Name           | Date     |
| Rong Fang | 21.09.04 | Chr. Janßen | 17.11.20 | i00  | 20-1927                   | S. Huber-Siegl | 17.11.20 |

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