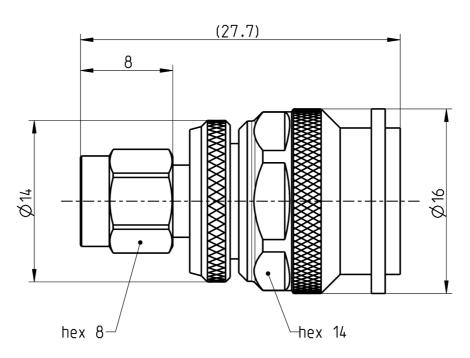
TECHNICAL DATA SHEET

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ADAPTOR SMA PLUG – TNC 50 Ω PLUG

32S156-S00L5





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

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According to SMA side:

TNC side:

IEC 60169-15; EN 122110; MIL-STD-348 IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Plating

AuroDur®, gold plated

AuroDur®, gold plated Nickel, 2.5-5 µm

Documents

N/A

Material and plating

Connector partsMaterialCenter contactBrass

Outer contact SMA side CuBe or equivalent

Outer contact TNC side Brass
Dielectric PTFE
Gasket Silicone

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TECHNICAL DATA SHEET

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ADAPTOR SMA PLUG – TNC 50 Ω PLUG

32S156-S00L5

Electrical data

Impedance 50 Ω

Frequency DC to 10 GHz

VSWR $\leq 1.05 + 0.005 \text{ x f [GHz]}$ Insertion loss $\leq 0.04 \text{ x} \sqrt{\text{f(GHz)}} \text{ dB}$

Insulation resistance $\geq 5 \times 10^3 \text{ M}\Omega$

Center contact resistance $\leq 3 \text{ m}\Omega$, SMA side $\leq 1.5 \text{ m}\Omega$, TNC side Outer contact resistance $\leq 2 \text{ m}\Omega$, SMA side $\leq 1 \text{ m}\Omega$, TNC side

Test voltage 1000 V rms Working voltage 480 V rms Power handling (at 20 °C, sea level, VSWR 1.0) \leq 80 W @ 2 GHz

Mechanical data

Recommended torque 0.8 Nm to 1.1 Nm 0.46 Nm to 0.69 Nm

Environmental data

Temperature range -65°C to +165°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

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N/A

Weight

Weight 17.2 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.

Draft	Date	Approved	Date		Rev.	Engineering change number	Name	Date
Rong Fang	21/09/04	J_Krautenbacher	21.07.16		h00	15-1629	I_Wallner	21.07.16
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