



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

Interface

According to IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Coupling nut
Gasket
Substrate

Material

Brass
Brass
PTFE
Brass
Silicone
Al₂O₃

Plating

Gold, min. 1.27 µm, over nickel
Gold, min. 0.8 µm, over nickel
Gold, min. 0.15 µm, over chemical nickel

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RF_35/05.10/6.0

Technical Data Sheet**Rosenberger**SMA
StandardTermination
Plug 1 Watt**32S15R-1.0E3****Electrical data**

Impedance	50 Ω
Frequency range	DC to 18 GHz
Return loss	≥ 28.3 dB, DC to 4 GHz ≥ 26.4 dB, 4 GHz to 6 GHz ≥ 24.3 dB, 6 GHz to 10 GHz ≥ 23.1 dB, 10 GHz to 12.4 GHz ≥ 22.1 dB, 12.4 GHz to 14 GHz ≥ 19.1 dB, 14 GHz to 18 GHz
Center contact resistance	≤ 3 m Ω
Outer contact resistance	≤ 2 m Ω
Impulse Power (1 μ s, 1%)	100 Watts at 25 °C environment temperature
Power handling	≤ 1 W at 25 °C

Mechanical data

Mating cycles	≥ 500
Coupling nut retention	≥ 270 N
Maximum torque	1.70 Nm
Recommended torque	0.80 Nm to 1.10 Nm

Environmental data

Temperature range	-55 °C to +155 °C
RoHS	compliant

Packing

Standard	100 pcs in blister
Weight	3.4 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
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