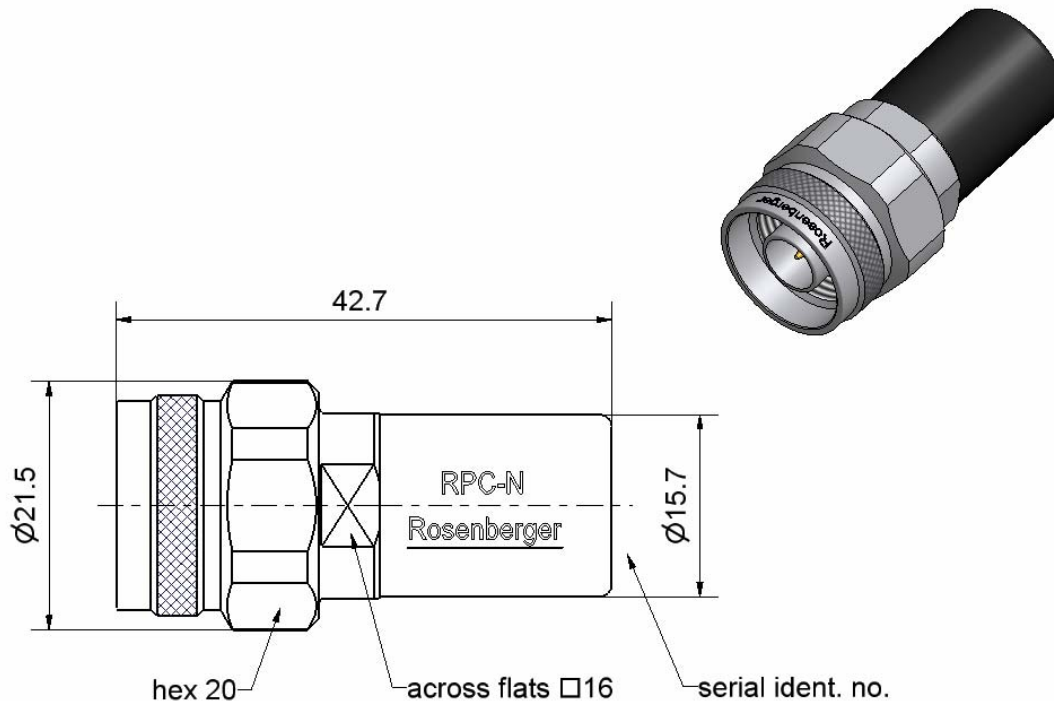


TECHNICAL DATA SHEET

Rosenberger
Rosenberger Site Solutions, LLC

RPC-N
50 Ω LOAD PLUG

Order # AL-05-S150-010S3
Part # **05S150-C10S3**



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

Interface

According to IEC 60169-16 ; CECC 22 210 ; MIL-STD 348A/402

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut
Dielectric
Substrate

Material

Brass
Stainless steel
Stainless steel
PPE
Al₂O₃

Plating

Gold, min. 1.27 μ m, over nickel
Passivated
Passivated

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RPC-N
50 Ω LOAD PLUG

Order # AL-05-S150-010S3
Part # **05S150-C10S3**

Electrical data

Impedance	50 $\Omega \pm 0.25 \Omega$
Frequency	DC to 18 GHz
Return loss	≥ 45 dB, DC to 4 GHz ≥ 30 dB, 4 GHz to 18 GHz
Center contact resistance	≤ 1.0 m Ω
Outer contact resistance	≤ 1.0 m Ω
Power handling	0.5 W

Mechanical data

Mating cycles	≥ 500
Center contact captivation	≥ 28 N
Coupling test torque	1.70 Nm
Recommended torque	0.68 Nm to 1.13 Nm

Environmental data

Temperature range	0°C to +50°C
2002/95/EC (RoHS)	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard	1 pce in bag
Weight	50.0 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
Kerstin Herzog	17/02/05	Andreas Burkert	15/12/06	b00	06-0473	Kerstin Herzog	12/07/07
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