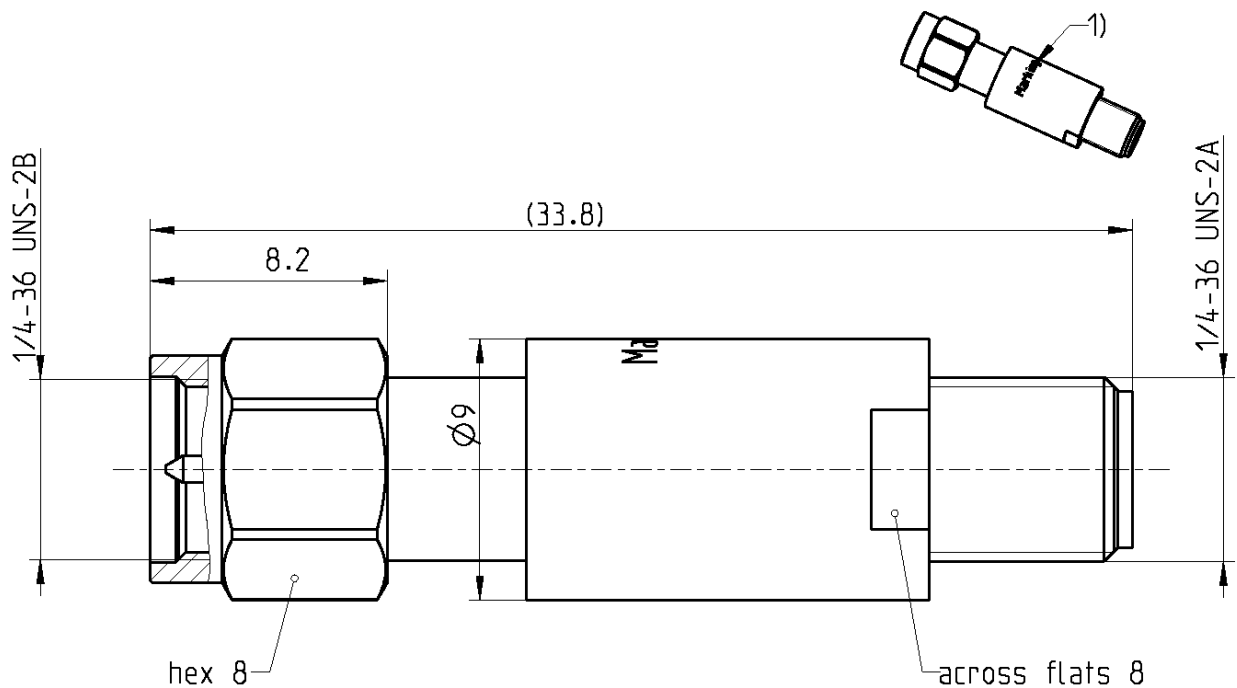


RPC-3.50

DC-Block
plug - jack

03DS101-K00E3



1) Marking:
Rosenberger
DC-Block
03DS101-K00
20 MHz to 26.5 GHz

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

Interface

According to IEC 60169-23
Mechanically compatible with RPC-2.92 and SMA

Documents

N/A

Material and plating

Connector parts

	Material	Plating
Center contact	CuBe	Gold, min. 1.27 µm, over chemical nickel
Outer contact	CuBe	Gold, min. 0.8 µm, over chemical nickel
Coupling nut	Stainless steel	Passivated
Dielectric	PS	
Gasket	Silicone	

RPC-3.50

DC-Block
plug - jack

03DS101-K00E3

Electrical data

Impedance 50 Ω
 Frequency 20 MHz to 26.5 GHz
 Return loss ≥ 22 dB, 20 MHz to 22 GHz
 ≥ 20 dB, 22 GHz to 26.5 GHz
 Insertion loss ≤ 0.5 dB, 20 MHz to 26.5 GHz
 Insulation resistance ≥ 5 GΩ
 Working voltage (at sea level) 100 Vdc max.
 Capacity 1.2 nF
 Block type Center contact only

Mechanical data

Mating cycles ≥ 500
 Center contact captivation ≥ 27 N
 Coupling test torque 1.70 Nm
 Coupling torque recommended 0.80 Nm to 1.10 Nm

Environmental data

Temperature range -40°C to +85°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

Weight

10.6 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.



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RFB00035/12.20/6.4

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
H.Babinger	09.10.06	M. Moder	16.02.23	c00	23-0276	T. Börgerding	16.02.23

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