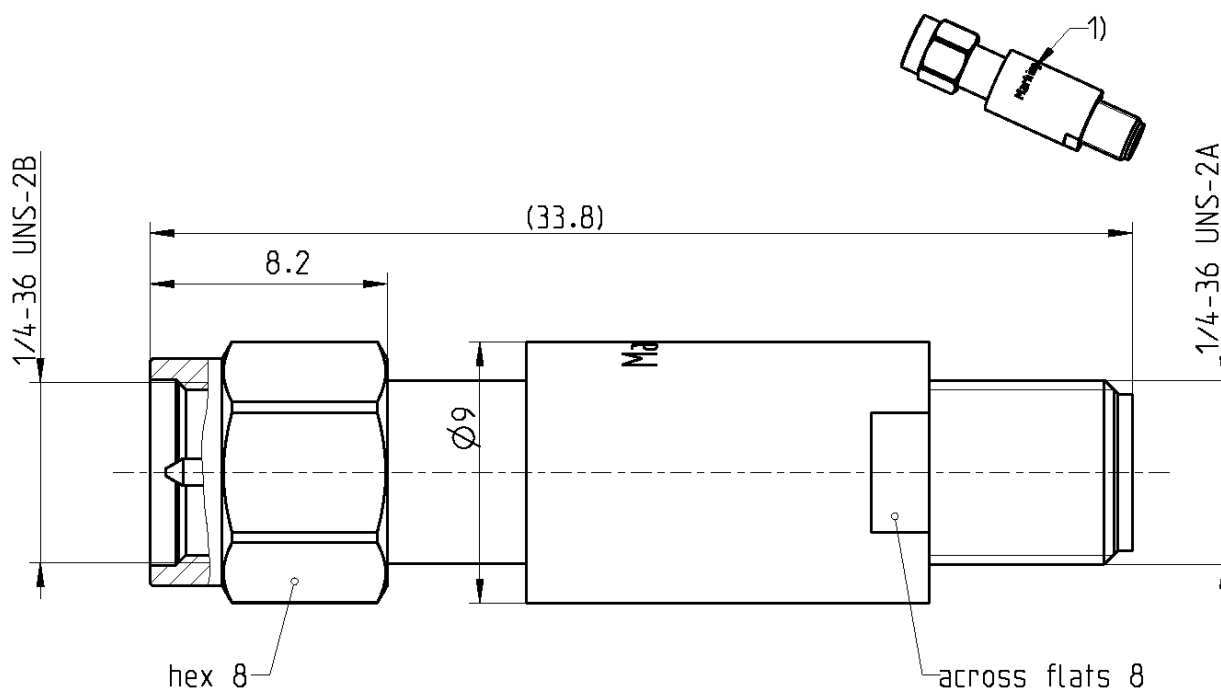




1) Marking:
Rosenberger
DC-Block
03DS101-K00
20 MHz to 26.5 GHz

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

Interface

According to
Mechanically compatible with

IEC 60169-23
RPC-2.92 and SMA

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Coupling nut
Dielectric
Gasket

Material

CuBe
CuBe
Stainless steel
PS
Silicone

Plating

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

Technical Data Sheet				Rosenberger			
RPC-3.50		DC-Block plug - jack		03DS101-K00E3			
Electrical data Impedance Frequency Return loss Insertion loss Insulation resistance Working voltage (at sea level) Capacity Block type 50 Ω 20 MHz to 26.5 GHz ≥ 22 dB, 20 MHz to 22 GHz ≥ 20 dB, 22 GHz to 26.5 GHz ≤ 0.5 dB, 20 MHz to 26.5 GHz ≥ 5 GΩ 100 Vdc max. 1.2 nF Center contact only							
Mechanical data Mating cycles Center contact captivation Coupling test torque Coupling torque recommended ≥ 500 ≥ 27 N 1.70 Nm 0.80 Nm to 1.10 Nm							
Environmental data Temperature range Thermal shock Corrosion Vibration Shock Moisture resistance RoHS -40°C to +85°C MIL-STD-202, Meth. 107, Cond. B MIL-STD-202, Meth. 101, Cond. B MIL-STD-202, Meth. 204, Cond. D MIL-STD-202, Meth. 213, Cond. I MIL-STD-202, Meth. 106 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. 							
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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