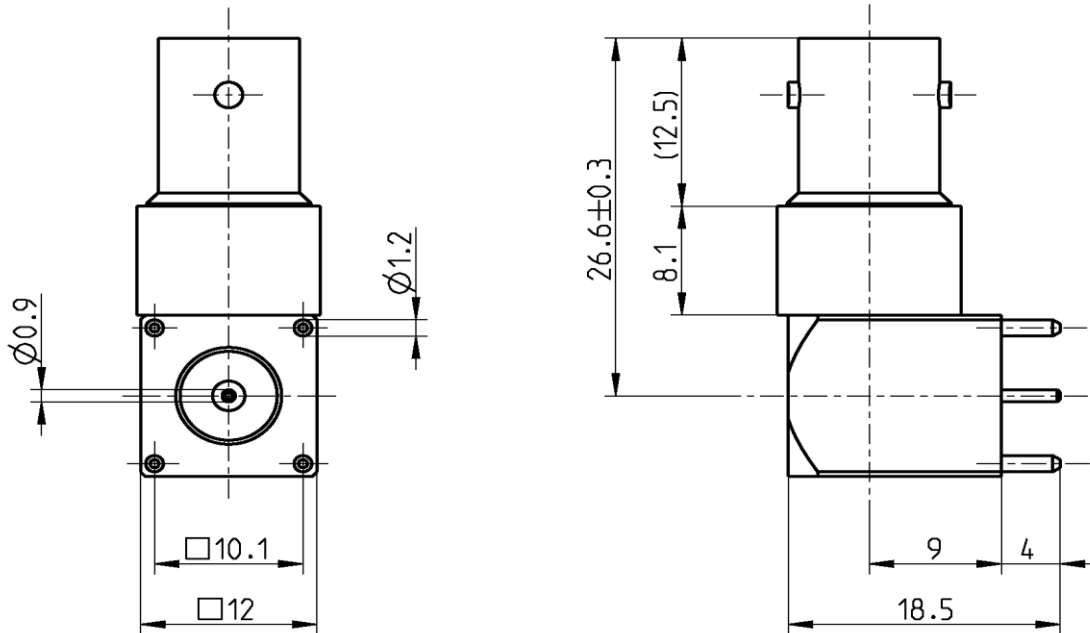
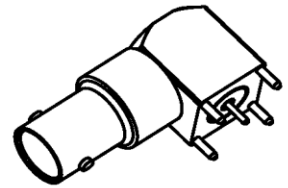




**THE DATASHEET OF**  
**51K204-400A5**





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

**Interface**

According to DIN EN 61169-8

**Documents**

PCB layout B 32

**Material and plating**

**Connector parts**

Center contact	CuBe
Outer contact	Brass
Body	Brass
Dielectric	PTFE

**Plating**

AuroDur®, gold plated  
 Nickel, 2.5-5  $\mu\text{m}$   
 Nickel, 2.5-5  $\mu\text{m}$

**Electrical data**

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 35 dB, DC to 2 GHz ≥ 30 dB, 2 to 4 GHz ≥ 20 dB, 4 to 8 GHz
Insertion loss	≤ 0.05 x √f [GHz]dB, DC to 8 GHz
Insulation resistance	≥ 5 x10 <sup>3</sup> MΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

- Connector only, VSWR in application depends decisive on PCB layout -

**Mechanical data**

Mating cycles	min. 500
Center contact captivation: axial	≥ 15 N

**Environmental data**

Temperature range	-55°C to +155°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. B
Shock	MIL-STD-202, Meth. 213, Cond. G
Moisture resistance	MIL-STD-202, Meth. 106
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight	22.2 g/pce
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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
Inge Mühlauer	13.07.04	Chr. Janßen	03.12.20	f00	20-1927	S. Huber-Siegl	03.12.20

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