



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

Interface

According to IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Panel piercing B 1

Material and plating

Connector parts

Center contact	CuBe
Outer contact	Brass
Dielectric	PTFE
Gasket	Silicone
Gasket	NBR

Plating

AuroDur®, gold plated
Flash white bronze over silver(e.g. Optargen®)

Technical Data Sheet**Rosenberger**

TNC 50 Ω

**BULKHEAD JACK
SOLDER END****56K508-200N5****Electrical data**

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 20 dB, DC to 2.5 GHz ≥ 18 dB, 2.5 to 4 GHz
Insertion loss	≤ 0.05 x √ f [GHz] dB, DC to 4 GHz
Insulation resistance	≥ 5 x10 ³ MΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage	1500 V rms
Working voltage	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

-- Interface only --

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	≤ 1.7 Nm
Coupling torque (recommended)	0.46 Nm to 0.69 Nm
Tightening torque hex nut (recommended)	6 Nm

Environmental data

Temperature range	-25 °C to +110 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
Degree of protection	IEC 60529, IP68 1 bar / 2 h (assembled in housing)
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 11.3 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
Inge Mühlauer	10.08.04	A. Gasteiger	06.11.14	e00	14-1616	S. Huber-Siegl	06.11.14
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de						Tel. : +49 8684 18-0 Email : info@rosenberger.de	
							Page 2 / 2