



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

Interface

Compatible to IEC 61169-8, MIL-PRF-39012, CECC 22120

Documents

PCB layout B 32

Material and plating

Connector parts

Center contact	Material CuBe	Plating AuroDur®, gold plated
Outer contact	Brass	Nickel, 2.5-5 µm
Body	Brass	Nickel, 2.5-5 µm
Dielectric	PTFE	

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RFB00035/12.20/6.4

Electrical data

Impedance	75 Ω
Frequency	DC to 4 GHz
Return loss	≥ 18 dB, DC to 2 GHz
Insertion loss	≤ 0.1 x √ f [GHz] dB, DC to 2 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	400 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	≤ 80 W @ 2 GHz

- VSWR in application depends decisive on PCB layout -

Mechanical data

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

Environmental data

Temperature range	-65°C to +165°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	6.2 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
Wengler J.	27.07.04	Chr. Janßen	08.03.21	c00	20-1927	S. Huber-Siegl	08.03.21

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RFB00035/12.2016.4