

HUBER+SUHNER® DATA SHEET

Contact-Bridge: 97_BRG-50-0-1/1--_N



Rev.: B

Description

Horizontal board-to-board compression RF/DC connector



Technical Data

Electrical Data

Nominal impedance	50 Ω	
Frequency range	DC to 4 GHz	
Frequency sub range (GHz)	DC to 3.5	3.5 to 4
VSWR max.	1.25	1.35
Insertion loss	0.2 dB at 2 GHz; 0.4 dB at 4 GHz	at a height difference between boards ± 0.25mm
Contact resistance	< 5 mΩ	
Current handling	5.4 A (at 100°C ambient temperature)	
Insulation resistance	> 5000 MΩ	
Insulation withstanding voltage	1000 V	
Power rating	up to 70 W at 2.7 GHz at 85°C ambient temperature	

Mechanical Data

Dimensions	5.7 / 6.3 / 15 mm (height / width / length, unmounted)
Radial (XY direction) working range	± 1.0 mm (pending on PCB layout, see DOU-00160490)
Axial (Z direction) working range	± 0.6 mm (for first mating, see DOU-00191090)
Weight	0.0002 kg
Durability (matings)	50

Environmental Data

Operating temperature	-40°C to +125°C
2002/95/EC (RoHS)	compliant
Thermal shock	IEC 60068-2-14
Moisture resistance	IEC 60068-2-30
Vibration	IEC 60068-2-6
Mechanical shock	IEC 60068-2-27

Material Data

Piece Part	Material	Surface Plating
Centre contact	Copper-beryllium	Gold over Nickel (Gold partially plated)
Insulator	TPE	

Related Documents

Outline drawing	DOU-00160490
Mounting hole	DOU-00160491
Packaging drawing	DOU-00222388

Ordering Information

Tape & reel package	97_BRG-50-0-1/1--_NM
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Additional Information

Remarks

All technical data measured with specified test application as per drawing DOU-00225678.

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

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It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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