



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

Interface

Special to mate with

03K701-800L3, 02K702-800L3, 32K701-800L3, 09K701-800L3

Documents

PCB layout
Datasheet
Datasheet
Datasheet
Datasheet

B 526
03K701-800L3
02K702-800L3
32K701-800L3
09K701-800L3

Material and plating

Connector parts

Center contact
Outer contact
Dielectric
Sealing compound
Screws

Material

CuBe
Brass
PEEK
Stycast W19
Stainless steel

Plating

AuroDur®, gold plated
AuroDur®, gold plated
N/A
N/A

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RF_35/05.10/6.0

Technical Data Sheet

Rosenberger

Right angle plug PCB
50 Ω

99S2A5-40ML5

Electrical data

Impedance	50 Ω
Frequency	DC to 50 GHz
Return loss	≥ 20 dB @ DC to 26,5 GHz ≥ 16 dB @ 26,5 GHz to 35 GHz ≥ 12 dB @ 35 GHz to 50 GHz
Insertion loss	≤ 0.1 x √ f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ

- Connector only, return loss in application depends decisive on PCB layout and soldering -

Mechanical data

Mating cycles	min. 50
Center contact captivation: axial	min. 27 N
Center contact captivation: radial	min. 3 Ncm

Environmental data

Temperature range	-40°C to +125°C
Thermal shock	IEC 61169-1, Subclause 9.4.4
Corrosion	IEC 61169-1, Subclause 9.4.6
Vibration	IEC 61169-1, Subclause 9.3.3
Shock	IEC 61169-1, Subclause 9.3.14
Moisture resistance	IEC 61169-1, Subclause 9.4.3
Max. soldering temperature	IEC 61760-1, +260°C for 10 sec.
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Weight	2,3 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.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
A. Maiwalder	07.09.16	A. Schadhauer	14.11.17	a00	17-s325	M. Knoll	14.11.17

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