



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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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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