



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

Interface

According to IEC 60169-10, CECC 22130, US MIL-C-39012

Documents

N/A

Material and plating

Connector parts

- Center contact
- Outer contact
- Outer contact
- Body
- Dielectric

Material

- Brass
- Brass
- Brass
- Brass
- PTFE

Plating

- AuroDur. gold plated
- AuroDur. gold plated
- AuroDur. gold plated
- AuroDur. gold plated

SMB T-ADAPTOR
PLUG – PLUG - PLUG

59S301-S00L5

Electrical data

Impedance 50 Ω
 Frequency DC to 4 GHz
 Insulation resistance ≥ 1x10³ MΩ
 Center contact resistance ≤ 5 mΩ
 Outer contact resistance ≤ 2.5 mΩ
 Test voltage 750 V rms, 50 Hz, at sea level
 Working voltage ≤ 250 V rms, 50 Hz, at sea level
 Contact current 1.5 A DC typ.
 RF-leakage ≥ 55 dB up to 1 GHz

Mechanical data

Mating cycles ≥ 500
 Center contact captivation: axial ≥ 10 N
 Engagement force ≤ 63 N
 Disengagement force 8 N min. to 63 N max.

Environmental data

Temperature range -55°C to +155°C
 Thermal shock MIL-STD-202, Meth. 107, Cond. B
 Vibration MIL-STD-202, Meth. 204, Cond. B
 Corrosion MIL-STD-202, Meth. 101, Cond. B
 Moisture resistance MIL-STD-202, Meth. 106
 2002/95/EC (RoHS) compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard 1 pce in box
 Weight 2.4 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	14/12/04	König A.	04.07.07	c00	07-0154	S_Kra.	04.07.07
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: info@rosenberger.de		Page 2 / 2