



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

Interface

According to IEC 60169-10, MIL-PRF-39012

Documents

N/A

Material and plating

Connector parts

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

Material

- Beryllium copper
- Beryllium copper
- Brass
- PTFE
- Al₂O₃

Plating

- Gold, min. 1.27 µm, over nickel
- Gold, min. 0.8 µm, over nickel
- Gold, min. 0.8 µm, over nickel

Technical Data Sheet

Rosenberger

SMB

Termination
Jack 1 Watt

59K15R-001E3

Electrical data

Impedance	50 Ω
Frequency	DC to 2 GHz
Return loss	≥ 24.9 dB, DC to 1 GHz ≥ 20.8 dB, 1 GHz to 2 GHz
Power handling (at 25 °C, sea level)	≤ 1 W, derated linearity by 0.01 W/K

Mechanical data

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

Environmental data

Temperature range	-55 °C to +155 °C
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Packing

Weight	1.9 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
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