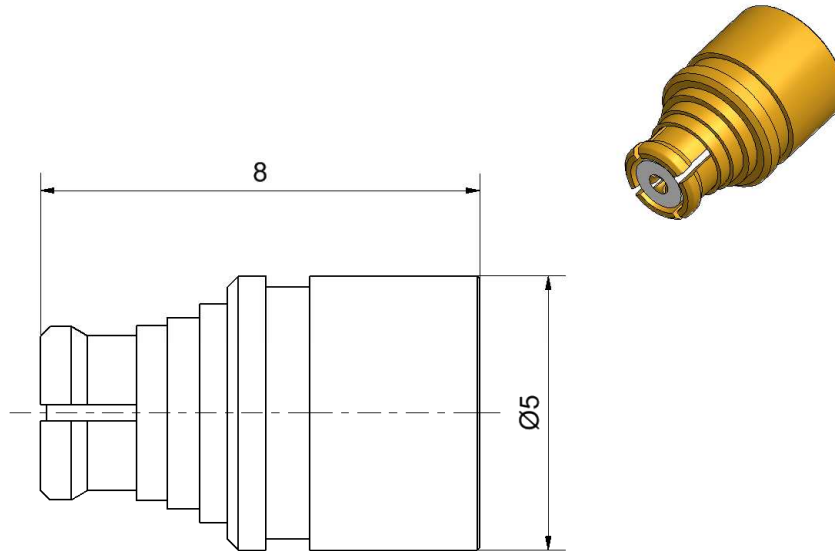


SMP

Termination
Jack 1 Watt

19K15R-001E4



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

Interface

According to MIL-STD-348

Documents

N/A

Material and plating

Connector parts

- Center contact
- Outer contact
- Dielectric
- Substrate
- Insulator

Material

- CuBe
- CuBe
- PTFE
- Al₂O₃
- Silicone

Plating

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

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RF_35/09;14/6.2

Technical Data Sheet**Rosenberger****SMP****Termination
Jack 1 Watt****19K15R-001E4****Electrical data**

| | |
|-----------------|---------------------------------|
| Impedance | 50 Ω |
| Frequency range | DC to 18 GHz |
| Return loss | ≥ 28.3 dB, DC to 1 GHz |
| | ≥ 20.1 dB, 1 GHz to 18 GHz |
| Power handling | ≤ 1.0 W |

Mechanical data

| | |
|---------------------|-------------|
| Mating cycles | |
| - smooth bore | ≥ 1000 |
| - limited detent | ≥ 500 |
| - full detent | ≥ 100 |
| Engagement force | |
| - smooth bore | 9 N max. |
| - limited detent | 45 N max. |
| - full detent | 68 N max. |
| Disengagement force | |
| - smooth bore | 2.2 N min. |
| - limited detent | 9 N min. |
| - full detent | 22 N min. |

Environmental data

| | |
|--|--------------------|
| Operating temperature range ¹ | 0 °C to +125 °C |
| Storage temperature range | - 55 °C to +155 °C |

| | |
|------|-----------|
| RoHS | compliant |
|------|-----------|

¹ Temperature range over which these specifications are valid.

Packing

| | |
|----------|--------------------|
| Standard | 100 pcs in blister |
| Weight | 0.5 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 |
|--|----------|---------------|----------|------|---------------------------|---|---------------|
| Kerstin Herzog | 26.08.04 | Markus Müller | 07.11.16 | e00 | 15-1629 | Marion Striegler | 07.11.16 |
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| | | | | | | | Page 2 / 2 |

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