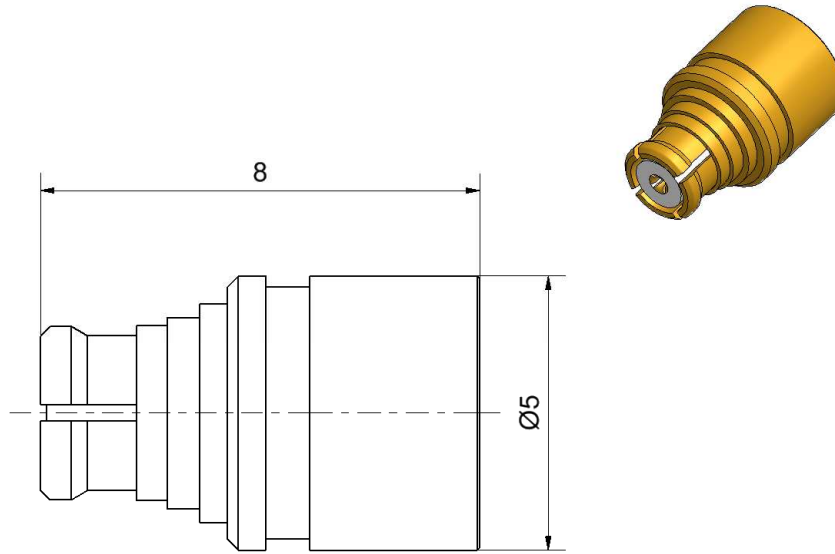


SMP

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
- Al<sub>2</sub>O<sub>3</sub>
- 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 $\Omega$
Frequency range	DC to 18 GHz
Return loss	$\geq 28.3$ dB, DC to 1 GHz $\geq 20.1$ dB, 1 GHz to 18 GHz
Power handling	$\leq 1.0$ W

## Mechanical data

Mating cycles	
- smooth bore	$\geq 1000$
- limited detent	$\geq 500$
- full detent	$\geq 100$
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 <sup>1</sup>	0 °C to +125 °C
Storage temperature range	- 55 °C to +155 °C

RoHS compliant

<sup>1</sup> 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
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de			Page 2 / 2