



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 - plug
- Outer contact - jack
- Dielectric
- Substrate

**Material**

- CuBe
- Brass
- CuBe
- PTFE
- Al<sub>2</sub>O<sub>3</sub>

**Plating**

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

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RF\_35/09;14/6.2

SMP

Attenuator  
Plug/Jack

**19AS101-K06E3**

**Electrical data**

Frequency range DC to 18 GHz  
 Return loss  $\geq 20.8$  dB, DC to 4 GHz  
 $\geq 16.5$  dB, 4 GHz to 12.4 GHz  
 $\geq 14.0$  dB, 12.4 GHz to 18 GHz  
 Attenuation 6 dB  $\pm$  1.0 dB, DC to 12.4 GHz  
 6 dB  $\pm$  1.5 dB, 12.4 GHz to 18 GHz  
 Power handling  $\leq 0.5$  W at 25°C

**Mechanical data**

Mating cycles  
 if mating part is limited detent  $\geq 500$   
 Center contact captivation  $\geq 7$  N  
 Engagement force  
 - limited detent 45 N max.  
 Disengagement force  
 - limited detent 9 N min.

**Environmental data**

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

**Packing**

Standard 1 pce in bag  
 Weight 3.23 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	16.06.06	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
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