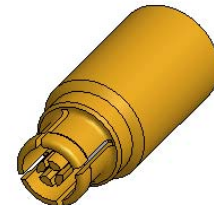
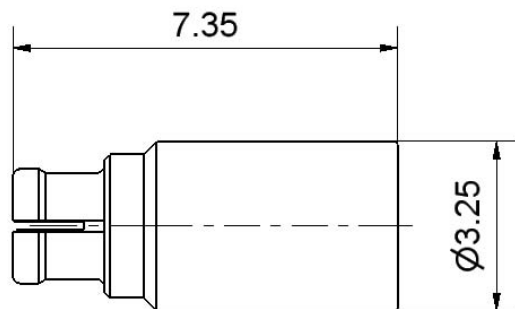


Mini SMP TERMINATION  
JACK 0.5 WATT

**18K15R-0.5E3**



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

**Interface**

Mechanically compatible with

MIL-STD-348A, Fig.328  
Mateable with GPPO™ (Gilbert Engineering Co., Inc.)  
and SSMP™ (Connectors Devices, Inc.)

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric  
Substrate

**Material**

Beryllium copper  
Beryllium copper  
PTFE  
Al<sub>2</sub>O<sub>3</sub>

**Plating**

Gold, min. 1.27  $\mu$ m, over nickel  
Gold, min. 0.8  $\mu$ m, over nickel

Mini SMP TERMINATION  
JACK 0.5 WATT

**18K15R-0.5E3**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 40 GHz  
 Return loss ≥ 26.4 dB, DC to 18 GHz  
 ≥ 17.7 dB, 18 GHz to 26.5 GHz  
 ≥ 16.6 dB, 26.5 GHz to 40 GHz  
 Center contact resistance ≤ 6.0 mΩ  
 Outer contact resistance ≤ 2.0 mΩ  
 Power handling 0.5 W at 25°C  
 derated linearity to 0 Watts at 125°C

**Mechanical data**

Mating cycles ≥ 100  
 Center contact captivation 7 N min.  
 Engagement force Full detent 19 N max.  
 Smooth bore 11 N max.  
 Disengagement force Full detent 29 N max.  
 Smooth bore 11 N max.

**Environmental data**

Temperature range -55°C to +155°C  
 2002/95/EC (RoHS) compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Packing**

Standard 100 pcs in blister  
 Weight 0.3 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	16/02/05	Frank Weiß	03/04/08	b00	08-0225	Kerstin Hobraak	03/04/08
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>					Tel.: +49 8684 18-0 Fax: +49 8684 18-499 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2