



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
Al₂O₃

Plating

Gold, min. 1.27 μ m, over nickel
Gold, min. 0.8 μ 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
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