



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

Interface

According to

MIL-STD-348

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

CuBe
CuBe
PTFE
Al₂O₃

Plating

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

Technical Data Sheet

Rosenberger

Mini-SMP

Termination
Plug - Full Detent

18S15R-0.5E3

Electrical data

Impedance 50 Ω
 Frequency range 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
 Power handling ≤ 0.5 W

Mechanical data

Mating cycles ≥ 100
 Center contact captivation ≥ 7 N
 Engagement force
 - Full detent 19 N typical
 Disengagement force
 - Full detent 29 N typical

Environmental data

Operating temperature range¹ 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 0.4 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	12.07.05	Markus Müller	07.11.16	d00	15-1674	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	
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