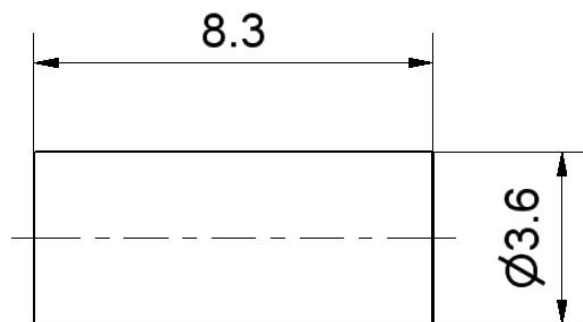


All dimensions are in mm; tolerances according to ISO 2768 m-H

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

TECHNICAL DATA SHEET

Rosenberger®

Mini SMP TERMINATION PLUG 0.5 W
FULL DETENT

18S15R-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 m Ω
Outer contact resistance	≤ 2.0 m Ω
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.
Disengagement force	
- full detent	29 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	0.4 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	Frank Weiß	03/04/08	b00	08-0225	Kerstin Hobrak	03/04/08
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