



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



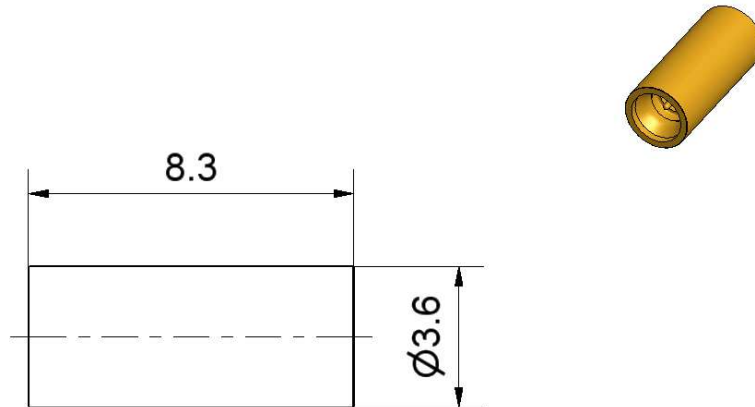
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All dimensions are in mm; tolerances according to ISO 2768 m-H

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

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RF_35/09.14/6.2

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
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