



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!



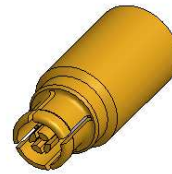
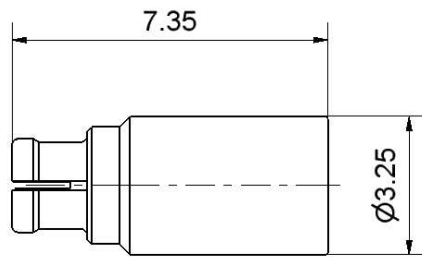
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All dimensions are in mm; tolerances according to ISO 2768 m-H

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
Jack

18K15R-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 | |
| if mating part is Smooth bore | ≥ 500 |
| if mating part is Full detent | ≥ 100 |
| Center contact captivation | ≥ 7 N |
| Engagement force | |
| - Smooth bore | 11 N typical |
| - Full detent | 19 N typical |
| Disengagement force | |
| - Smooth bore | 11 N typical |
| - Full detent | 29 N typical |

Environmental data

| | |
|--|--------------------|
| Operating temperature range ¹ | 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 | 0.3 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 | Markus Müller | 07.11.16 | d00 | 15-1674 | Marion Striegler | 07.11.16 |
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