



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!



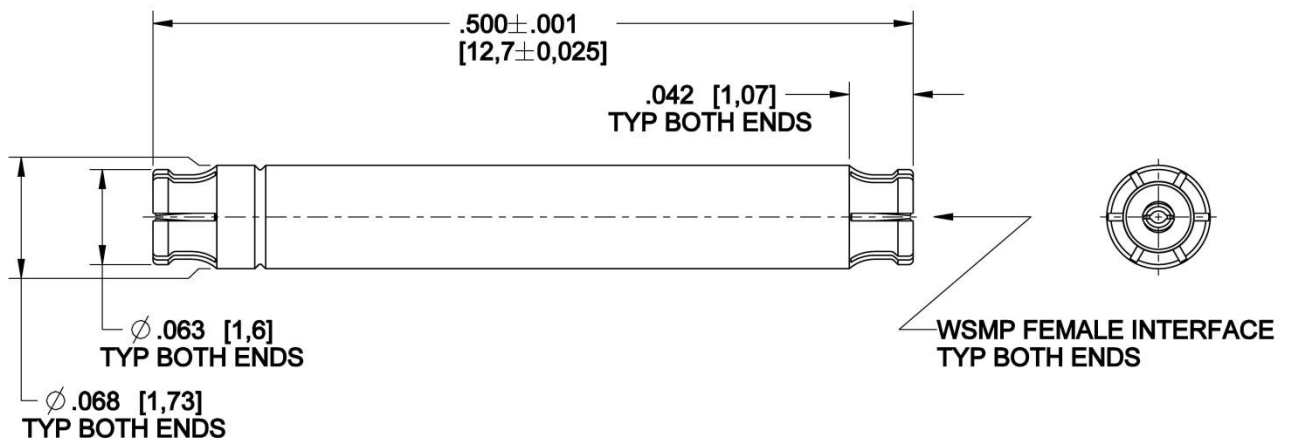
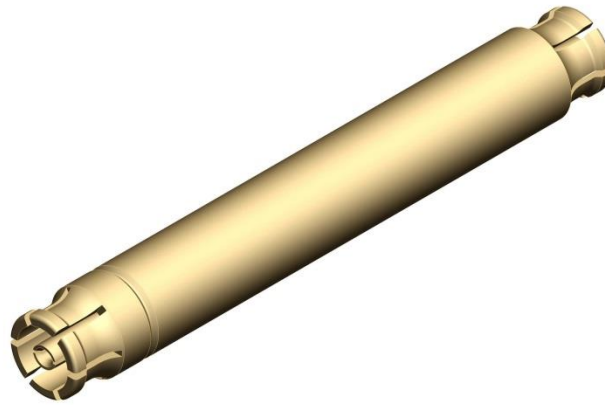
Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





All dimensions are in inches [mm]

Interface

According to

Rosenberger WSMP™ Interface standards

Material and plating

Connector parts

Body

Material

BeCu

Plating

Hard gold, 50µIN [1,27µm] min, over nickel, 50µIN [1,27µm] min

Contact

BeCu

Hard gold, 50µIN [1,27µm] min, over nickel, 50µIN [1,27µm] min

Dielectrics

PTFE

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Technical Data Sheet

Rosenberger

WSMP

Adaptor (Bullet)
Female to Female

W1K10N-K00D3

Electrical data

| | |
|----------------------------------|--|
| Impedance | 50 Ω |
| Frequency | DC to 40 GHz |
| Return loss (typical) | ≥ 26 dB, DC to 26.5 GHz ≥ 19 dB, 26.5 to 65 GHz |
| Insertion loss | ≤ 0.12 x $\sqrt{f(\text{GHz})}$ dB |
| Insulation resistance | ≥ 3.5 x 10 ³ MΩ |
| Center contact resistance | ≤ 2.0 mΩ |
| Outer contact resistance | ≤ 6.0 mΩ |
| Test voltage (at sea level) | 250 V rms |
| RF High Potential (at sea level) | 150 V rms @ 5 MHz |
| RF-leakage | ≥ -80 dB (typical mated pair) |

- Limitations are possible due to the used cable type

Mechanical data

| | |
|-------------------------------|-----------------------------|
| Mating cycles | |
| - Full Detent | ≥ 100 |
| - Smooth Bore | ≥ 500 |
| Engagement force (typical) | |
| - Full Detent | 2.5 lb _f [11 N] |
| - Smooth Bore | 1.2 lb _f [5.3 N] |
| Disengagement force (typical) | |
| - Smooth Bore | 4.5 lb _f [20 N] |
| - Smooth Bore | 1.0 lb _f [4.5 N] |

Environmental data

| | |
|--|--|
| Temperature range | -55°C to +165°C |
| Thermal shock | MIL-STD-202, Method 107, Condition B |
| Corrosion | MIL-STD-202, Method 101 |
| Vibration | MIL-STD-202, Method 204, Condition D |
| Shock | MIL-STD-202, Method 213, Condition I |
| Moisture resistance 2002/95/EC (RoHS) | MIL-STD-202, Method 106, except Step 7B compliant |

Tooling

| | |
|---------------------------|------------|
| Insertion/Extraction tool | W1W002-000 |
|---------------------------|------------|

Suitable cables

N/A

Packing

| | |
|----------|------------------|
| Standard | 100 pcs in a bag |
|----------|------------------|

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RF_35/05.10/6.0

| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|-----------|--------|-----------|--------|------|---------------------------|-----------|--------|
| R. Hosler | 8/8/14 | M. Peeran | 8/4/14 | a00 | ECN 14-s000; Released | M. Peeran | 8/8/14 |

| | | |
|---|---|---------------|
| Rosenberger of North America, LLC P.O. Box 309 Akron, PA USA 17501 www.rosenbergerna.com | Tel. : +1.717.859.8900 Fax : +1.717.859.7044 Email : info@rosenbergerna.com | Page 2 / 2 |
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