



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



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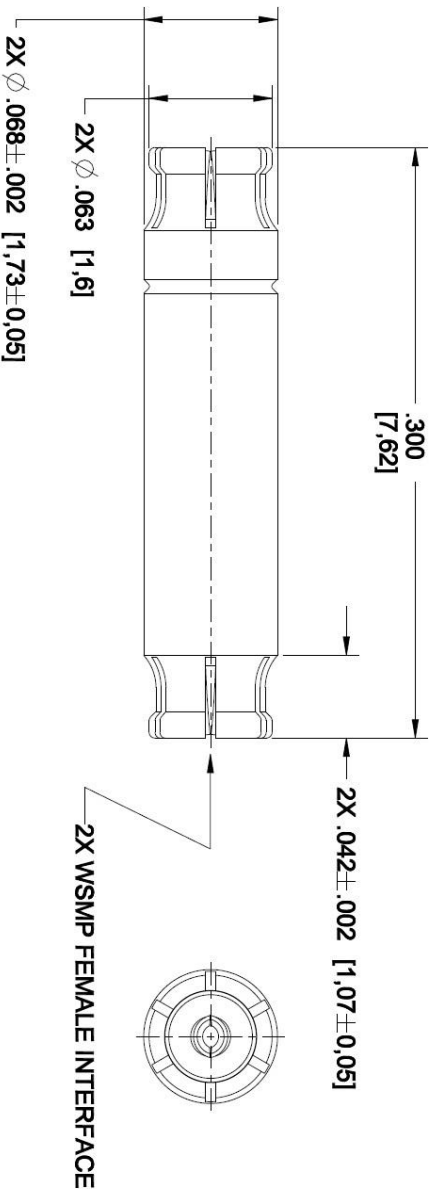
**Technical Data Sheet**

**Rosenberger**

**WSMP**

Adaptor (Bullet)  
Female to Female

**W1K10J-K00D3**



All dimensions are in inches [mm]  
Unless otherwise specified: XXX  $\pm$ .001 [0.025]

**Interface**

According to

Rosenberger WSMP™ Interface standards

**Material and plating**

**Connector parts**  
Body and contact

**Material**  
CuBe per ASTM B196

Dielectric

PTFE

**Plating**  
Hard gold, 50 $\mu$ IN [ $1.27\mu$ m] min, over  
nickel, 50 $\mu$ IN [ $1.27\mu$ m] min

Rosenberger of North America, LLC  
P.O. Box 309 Akron, PA USA 17501  
[www.rosenbergema.com](http://www.rosenbergema.com)

Tel. : +1.717.859.8900  
Fax : +1.717.859.7044  
Email : [info@rosenbergema.com](mailto:info@rosenbergema.com)

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# Technical Data Sheet

# Rosenberger

WSMP

Adaptor (Bullet)  
Female to Female

W1K10J-K00D3

## Electrical data

Impedance	50 Ω
Frequency	DC to 100 GHz
Return loss (typical)	≥ 26 dB, DC to 26.5 GHz ≥ 19 dB, 26.5 to 65 GHz
Insertion loss	≤ 0.12 x √f(GHz) dB
Insulation resistance	≥ 3,500 MΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage (at sea level)	250 V rms
RF High Potential (at sea level)	150 V rms @ 5 MHz
RF leakage (typical mated pair)	≥ -80 dB

## Mechanical data

Mating cycles	
- Full Detent	≥ 100
- Smooth Bore	≥ 500
Engagement force (typical)	
- Full Detent	2.5 lb <sub>f</sub> [11 N]
- Smooth Bore	1.2 lb <sub>f</sub> [5.3 N]
Disengagement force (typical)	
- Full Detent	4.5 lb <sub>f</sub> [20 N]
- Smooth Bore	1.0 lb <sub>f</sub> [4.5 N]

## Environmental data

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

## Tooling

Installation/Extraction tool	W1W002-000
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## Suitable cables

N/A

## Packing

Standard

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
R. Hosler	11/1/13	M. Peeran	11/1/13	a01	Revised per 18-0001	P. Sill	6/26/18

Rosenberger of North America, LLC P.O. Box 309 Akron, PA USA 17501 <a href="http://www.rosenbergerna.com">www.rosenbergerna.com</a>				Tel. : +1.717.859.8900 Fax : +1.717.859.7044 Email : <a href="mailto:info@rosenbergerna.com">info@rosenbergerna.com</a>			Page 2 / 2
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