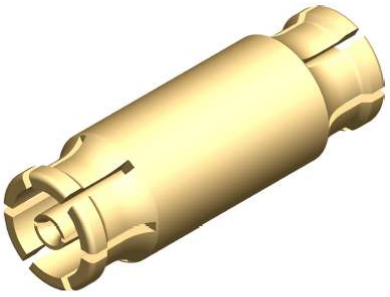
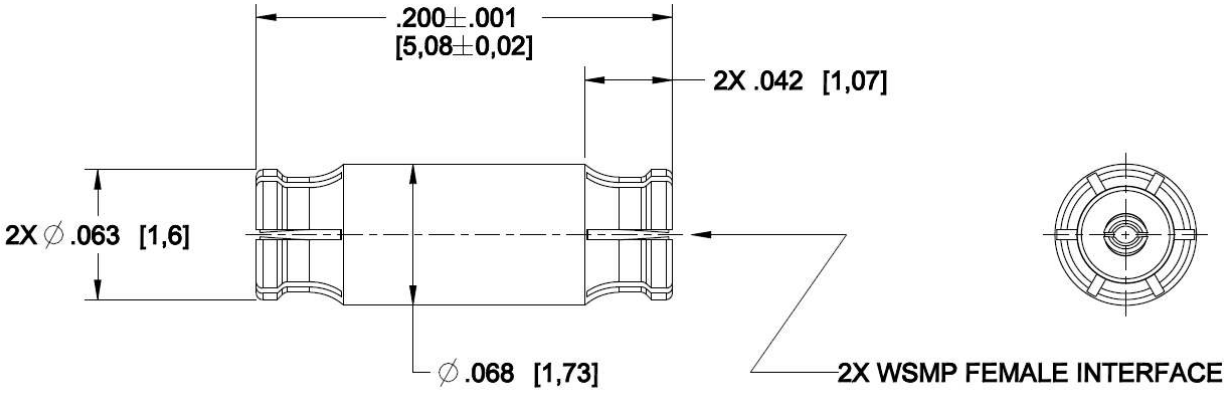
Technical Data Sheet		Rosenberger
WSMP	Adaptor (Bullet) Female to Female	**W1K10G-K00D3**





All dimensions are in inches [mm]
Unless otherwise specified tolerances are as follows: .XXX±.002 [0,05]

Interface

According to — Rosenberger WSMP™ Interface standards

Material and plating

Connector parts	Material	Plating
Body and Contact	CuBe per ASTM B196	Hard gold, 50µIN [1,27µm] min, over Nickel, 50µIN [1,27µm] min
Dielectric	PTFE per ASTM D1710	

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

Technical Data Sheet		Rosenberger
WSMP	Adaptor (Bullet) Female to Female	**W1K10G-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	$\leq 0.12 \times \sqrt{f(GHz)}$ dB
Insulation resistance	$\geq 3.5 \times 10^3$ 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	≥ -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)	
- Full Detent	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-202-107, Condition B
Corrosion	MIL-STD-202-101
Vibration	MIL-STD-202-204, Condition D
Shock	MIL-STD-202-213, Condition I
Moisture resistance	MIL-STD-202-106, except Step 7B
2002/95/EC (RoHS)	compliant

Tooling

Installation/Extraction tool	W1W002-000

Packing

Standard

Draft	Date	Approved	Date
R. Hosler	10/30/13	M. Peeran	10/30/13

Rev.	Engineering change number	Name	Date
a01	Revised per ECN 19-0674	M. Peeran	5/16/2019

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