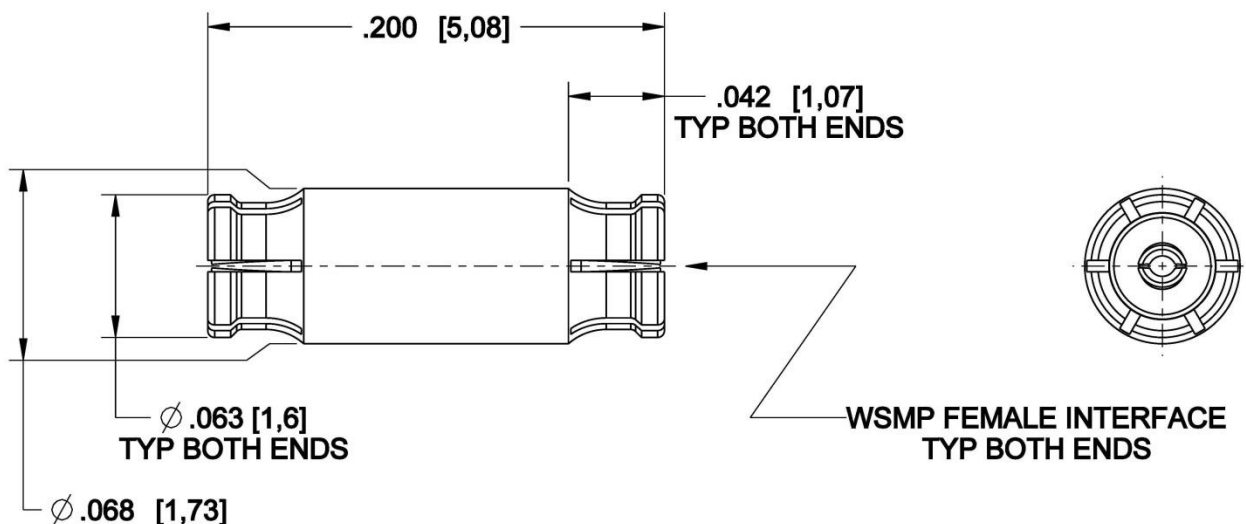
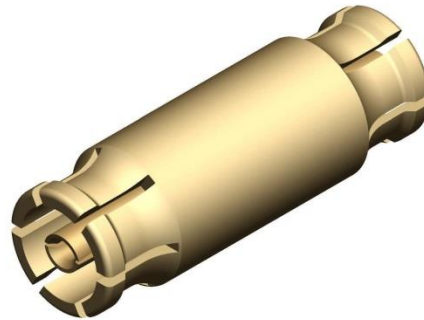


WSMP

Adaptor (Bullet)  
Female to Female

**W1K10G-K00D3**



**Interface**

According to

Rosenberger WSMP™ Interface standards

**Material and plating**

**Connector parts**

Body

**Material**

CuBe per ASTM B196

**Plating**

Hard gold 50µIN [1,27µm] min over

Contact

CuBe per ASTM B196

Nickel 50µIN [1,27µm] min

Hard gold 50µIN [1,27µm] min over

Dielectric

PTFE

Nickel 50µIN [1,27µm] min

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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	≤ 0.12 x √f(GHz) dB
Insulation resistance	≥ 3.5 x10 <sup>3</sup> 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 mating plug	≥ 100
- Smooth Bore mating plug	≥ 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° to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Condition B
Corrosion	MIL-STD-202, Method 101
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Meth. 213, Condition I
Moisture resistance 2002/95/EC (RoHS)	MIL-STD-202, Method 106, except Step 7B compliant

**Tooling**

Installation/Extraction tool	W1W002-000
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**Suitable cables**

N/A

**Packing**

Standard	100 pcs in a bag
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
R. Hosler	10/30/13	M. Peeran	10/30/13	a00	14-s000; Released	M. Peeran	8/8/14

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