



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

**Interface**

SMA interface according to IEC 60169-15; EN 122110; MIL-STD-348  
 Push on SMA interface compatible to IEC 60169-15; EN 122110; MIL-STD-348

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
 Outer contact push on SMA side  
 Outer contact SMA side  
 Body  
 Dielectric

**Material**

Beryllium copper  
 Beryllium copper  
 Stainless steel  
 Stainless steel  
 PTFE

**Plating**

AuroDur®, gold plated  
 AuroDur®, gold plated  
 Passivated  
 Passivated

**Electrical data**

Impedance	50 Ω
Frequency	DC to 18 GHz
VSWR	≥ 30 dB ; DC to 3 GHz ≥ 25 dB ; 3 GHz to 12 GHz ≥ 21 dB ; 12 GHz to 18 GHz
Insertion loss	≤ 0.05 dB $\times \sqrt{f(\text{GHz})}$
Insulation resistance	≥ 5 x10 <sup>3</sup> MΩ
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 3 mΩ
Test voltage	1000 V rms
Working voltage	350 V rms

**Mechanical data**

Mating cycles	min. 500
Center contact captivation: axial	≥ 27 N

**Environmental data**

Temperature range	-65°C to +165°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. D
Shock	MIL-STD-202, Meth. 213, Cond. I
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 5.1 g/pce

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Armin Maiwalder	27/11/06	J_Krautenbacher	22.07.16	b00	15-1629	I_Wallner	22.07.16
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>				Tel.: +49 8684 18-0 email: <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>			Page 2 / 2