



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 ³ 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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