



All dimensions are in mm; tolerances acc. ISO 2768 m-H

Interface

According to

MIL-STD-348

Mateable with GPPO™ (Gilbert Engineering Co., Inc.)
and SSMP™ (Connectors Devices, Inc.)

Documents

N/A

Material and plating

Connector parts

Center contact
Outer contact
Dielectric

Material

CuBe
CuBe
PTFE

Plating

AuroDur®, gold plated
AuroDur®, gold plated

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Mini-SMP

Adaptor
Jack - Jack

18K107-K00L5

Electrical data

Impedance	50 Ω
Frequency	DC to 65 GHz
Return loss	≥ 26 dB @ DC to 18 GHz ≥ 15 dB @ 18 GHz to 26.5 GHz ≥ 13 dB @ 26.5 GHz to 50 GHz
Insertion loss	≤ 0.05 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Working voltage (at sea level)	325 V rms
(at 70000 feet)	125 V rms

Mechanical data

Mating cycles	
if mating part is Smooth bore	≥ 500
if mating part is Full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- Smooth bore	11 N typical
- Full detent	19 N typical
Disengagement force	
- Smooth bore	11 N typical
- Full detent	29 N typical

Environmental data

Temperature range	-55 °C to +155 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
Climatic category	IEC 60068 55/155/21
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

Weight 0.2 g/pce

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