



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

Interface

According to

MIL-STD-348

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

Documents

Assembly instruction

18 C

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Crimping ferrule

Material

- CuBe
- CuBe
- Brass
- PTFE
- Copper

Plating

- AuroDur®, gold plated
- AuroDur®, gold plated
- AuroDur®, gold plated
- AuroDur®, gold plated

Electrical data

Impedance	50 Ω
Frequency	DC to 65 GHz
Return loss	≥ 20 dB, DC to 4 GHz ≥ 15 dB, 4 to 10 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Working voltage (at sea level)	325 V rms
(at 70000 feet)	125 V rms

- Limitations are possible due to the used cable type -

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 A
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

Crimping tool	11W150-000
Crimp insert	11W150-101

Suitable cables

RG 196 A/U, RG 178 A/U

Weight

Weight	0.5 g/pce
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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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