



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

Interface

According to IEC 60169-10, CECC 22130, US MIL-C-39012

Documents

Assembly instruction 59 F

Material and plating

Connector parts

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

Material

- Beryllium copper
- Beryllium copper
- Brass
- PTFE
- Copper

Plating

- AuroDur, gold plated
- AuroDur, gold plated
- Gold, 0.1 µm min.
- Gold, 0.1 µm min.

Electrical data

Impedance	50 Ω
Frequency	DC to 4 GHz
Return loss	≥ 25 dB, DC to 1 GHz ≥ 22 dB, 1 to 3 GHz ≥ 20 dB, 3 to 4 GHz
Insertion loss	≤ 0.1 x √f(GHz) dB
Insulation resistance	≥ 1x10 ³ MΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 2.5 mΩ
Test voltage	750 V rms, 50 Hz, at sea level
Working voltage	≤ 250 V rms, 50 Hz, at sea level
Contact current	1.5 A DC typ.
RF-leakage	≥ 55 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 10 N
Engagement force	≤ 63 N
Disengagement force	8 N min. to 63 N max.

Environmental data

Temperature range	-55°C to +155°C
Thermal shock	MIL-STD-202, Meth. 107, Cond. B
Vibration	MIL-STD-202, Meth. 204, Cond. B
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Tooling

Crimping tool	11W150-000
Crimp insert	11W150-102

Suitable cables

RG 316 /U, RG 174 A/U, RG 188

Weight

Weight	2.6 g/pce
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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