



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

Interface

According to IEC 60169-9, CECC 22140, US MIL-C-39012

Documents

Assembly instruction 59 K1

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Coupling nut

Material

- Beryllium copper
- Brass
- Brass
- PTFE
- Brass

Plating

- Auro Dur, gold plated
- Auro Dur, gold plated
- Gold, 0.15 µm
- Gold, 0.1 µm min.

Electrical data

Impedance	50 Ω
Frequency	DC to 6 GHz
Return loss	≥ 28 dB, DC to 1 GHz ≥ 22 dB, 1 to 3 GHz ≥ 17 dB, 3 to 6 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
RF-leakage	≥ 90 dB up to 1 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	min. 500
Coupling nut retention	≥ 150 N
Coupling test torque	max. 0.71 Nm
Recommended torque	0.25 Nm to 0.35 Nm
Center contact captivation: axial	≥ 10 N

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. D
Moisture resistance	MIL-STD-202, Meth. 106
Corrosion	MIL-STD-202, Meth. 101, Cond B
RoHS	compliant

Tooling

N/A

Suitable cables

UT 85, RG 405

Weight

Weight 2.4 g/pce

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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