



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

Interface

According to IEC 60169-17, MIL-PRF-39012, DIN EN 122200

Documents

Assembly instruction 53 F1

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Dielectric
- Gasket
- Gasket

Material

- Brass
- Brass
- Brass
- PTFE
- NeopreneCR 50C6
- Silicone

Plating

- AuroDur®, gold plated
- Flash white bronze over silver(e.g. Optargen®)
- Flash white bronze over silver(e.g. Optargen®)

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Electrical data

Impedance	50 Ω
Frequency	DC to 10 GHz
Return loss	≥ 30 dB @ DC to 1 GHz ≥ 25 dB @ 1 GHz to 2 GHz ≥ 15 dB @ 2 GHz to 4 GHz
Insertion loss	≤ 0.05 x √ f [GHz] dB, DC to 4 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 1.5 mΩ
Outer contact resistance	≤ 1 mΩ
Test voltage (at sea level)	1500 V rms
Working voltage (at sea level)	500 V rms
Power handling (at 20 °C, sea level, VSWR 1.0)	80 W @ 2 GHz

- Limitations are possible due to the used cable type -

Mechanical data

Mating cycles	≥ 500
Center contact captivation: axial	≥ 15 N
Coupling test torque	≤ 1.7 Nm
Recommended torque	0.46 Nm to 0.69 Nm

Environmental data

Temperature range	-65 °C to +165 °C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition G
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

RG 213 /U , RG 214 /U

Weight

Weight 57.5 g/pce

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Inge Mühlauer	10.08.04	Sa. Krautenbacher	20.03.14	e00	14-0352	T. Krojer	20.03.14

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