



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

Interface

According to IEC 457-2

Documents

Panel piercing B 106a

Material and plating

Connector parts

- Center contact
- Outer contact
- Body
- Coupling nut
- Dielectric 1
- Dielectric 2

Material

- CuBe
- CuBe
- Stainless steel
- Stainless steel
- PPE
- PTFE

Plating

- Gold, min. 1.27 µm, over chemical nickel
- Gold, min. 1.27 µm, over chemical nickel
- Passivated
- Passivated

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RF_35/09.14/6.2

Electrical data

Impedance	50 Ω
Frequency	DC to 18 GHz
Return loss	≥ 26 dB, DC to 18 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Test voltage (at sea level)	500 V rms
Working voltage (at sea level)	335 V rms
RF-leakage	≥ 120 dB up to 1 GHz

Mechanical data

Mating cycles	≥ 5000
Center contact captivation	≥ 28 N
Coupling test torque	1.95 Nm
Recommended torque	1.36 Nm

Environmental data

Temperature range	-40°C to +85°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 D
Shock	MIL-STD-202, Method 213, Condition I
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

Tooling

N/A

Suitable cables

N/A

Weight

46.7 g/pce

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
H. Babinger	09.08.04	F. Reiner	10.07.18	b01	18-1026	M. Ruf	06.07.18