



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

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