



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

**Interface**

According to MIL-STD-348

**Documents**

Assembly instruction 19 E8

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

CuBe  
CuBe  
PTFE

**Plating**

AuroDur®, gold plated  
AuroDur®, gold plated

**Electrical data**

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 35 dB @ DC to 2 GHz ≥ 30 dB @ 2 GHz to 12 GHz ≥ 20 dB @ 12 GHz to 26 GHz
Insertion loss	≤ 0.1 x √f [GHz] dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6 mΩ
Outer contact resistance	≤ 2 mΩ
Test voltage (at sea level)	500 V rms
Working voltage (at sea level)	335 V rms
Contact Current	≤ 1.2A DC

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	
if mating part is Smooth bore, Catcher´s Mitt	≥ 1000
if mating part is Limited detent	≥ 500
if mating part is Full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- Smooth bore, Catcher´s Mitt	≤ 9 N
- Limited detent	≤ 45 N
- Full detent	≤ 68 N
Disengagement force	
- Smooth bore, Catcher´s Mitt	≥ 2.2 N
- Limited detent	≥ 9 N
- Full detent	≥ 22 N

**Environmental data**

Temperature range	-65 °C to +155 °C
Rapid change of temperature	IEC 60068-2-14 (-65 °C to 155 °C, 1h dwell, 50 cycles)
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Damp heat	IEC 60068-2-78 (40°C, 93% RH, 56d)
High temperature endurance	IEC 61169-1, Sub-clause 9.6 (+155 °C, 1000 hours)
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

UT 85, RG 405 /U, RTK-FS 085

**Weight**

Weight 0.5 g/pce

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For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



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Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany <a href="http://www.rosenberger.de">www.rosenberger.de</a>				Tel. : +49 8684 18-0 Email : <a href="mailto:info@rosenberger.de">info@rosenberger.de</a>		Page 2 / 2	
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