



All dimensions are in mm; tolerances acc. ISO 2768 m-H

**Interface**

According to MIL-STD-348

**Documents**

Assembly instruction 19 E8

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
EMI-Ring  
Cover  
Dielectric

**Material**

CuBE  
CuBE  
Spring bronze  
Spring bronze  
PTFE

**Plating**

AuroDur®, gold plated  
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AuroDur®, gold plated  
Gold, 0.05µm

**Electrical data**

Impedance	50 Ω
Frequency	DC to 26.5 GHz
Return loss	≥ 26 dB, DC to 2.5 GHz ≥ 17 dB, 2.5 to 12 GHz
Insertion loss	≤ 0.05 x √f(GHz) dB, DC to 12 GHz
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 6.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	500 V rms
Working voltage	335 V rms
Contact Current	1.2A DC max.

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	
if mating part is smooth bore	≥ 1000
if mating part is limited detent	≥ 500
if mating part is full detent	≥ 100
Center contact captivation	≥ 7 N
Engagement force	
- smooth bore	9 N max.
- limited detent	45 N max.
- full detent	68 N max.
Disengagement force	
- smooth bore	2.2 N min.
- limited detent	9 N min.
- full detent	22 N min.

**Environmental data**

Temperature range	-65°C to +155°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition A
Moisture resistance	MIL-STD-202, Method 106
RoHS	compliant

**Tooling**

N/A

**Suitable cables**

UT 47

**Weight**

Weight 0.5 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Portenkirchner M.	07.08.15	H. Wurm	05.05.17	a00	17-s298	M. Margardt	19.09.17
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