



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

**Interface**

According to  
Mechanically compatible with

MIL-STD 348A and IEC 61169-33  
OSP and BMA

**Documents**

Assembly instruction  
Panel piercing

10 E  
B 100

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Body  
Flange  
Dielectric

**Material**

Beryllium copper  
Brass  
Brass  
Brass  
PTFE

**Plating**

Gold, 1.27 µm min.  
Flash white bronze over silver(e.g. Optargen®)  
Silver, 3-6 µm  
Flash white bronze over silver(e.g. Optargen®)

**Electrical data**

Impedance	50 Ω
Frequency	DC to 22 GHz
Return loss	≥ 21 dB, DC to 22 GHz
Insertion loss	≤ 0.04 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Center contact resistance	≤ 2.0 mΩ
Outer contact resistance	≤ 2.0 mΩ
Test voltage	1000 V rms
Working voltage	400 V rms
RF-leakage	≥ 85 dB up to 1 GHz

- Limitations are possible due to the used cable type -

**Mechanical data**

Mating cycles	≥ 1000
Center contact captivation	≥ 27 N
Engagement force	≤ 13.5 N
Disengagement force	≥ 2 N
Misalignment: radial	0.51 mm min.
Spring force	13 N

**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 2002/95/EC (RoHS)	MIL-STD-202, Method 106 compliant

**Tooling**

N/A

**Suitable cables**

UT 85 / RTK-FS 085 / RTK-Flex 405

**Packing**

Standard	100 pcs in bag
Weight	5.1 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
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