



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

02 A3  
B 92

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric  
Hexagon nut  
Toothed lock washer  
Solder sleeve

**Material**

CuBe  
Brass  
PS  
Brass  
Brass  
Brass

**Plating**

Gold, min. 1.27  $\mu\text{m}$ , over chemical nickel  
Gold, min. 0.8  $\mu\text{m}$ , over chemical nickel  
Gold, 0.1  $\mu\text{m}$  min.  
Gold, 0.1  $\mu\text{m}$  min.  
Gold, 0.1  $\mu\text{m}$  min.

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RF\_35/09.14/6.2

**Electrical data**

Impedance	50 Ω
Frequency	DC to 22 GHz
Return loss	≥ 23 dB, DC to 22 GHz
Insertion loss	≤ 0.04 x √f(GHz) dB
Insulation resistance	≥ 5 GΩ
Test voltage (at sea level)	1000 V rms
Working voltage (at sea level)	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

**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**

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

**Weight**

5.9 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
H. Babinger	14.07.06	F. Reiner	10.07.18	c01	18-1026	M. Ruf	06.07.18