



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

**Interface**

According to IEC 61169-4, EN 122190, DIN 47223

**Documents**

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Dielectric

**Material**

CuBe or equiv.  
Brass  
PTFE

**Plating**

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

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Adaptor  
Jack – Jack

**60K101-KIMN1**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 7.5 GHz  
 Return loss ≥ 40 dB @ DC to 3GHz  
 ≥ 35 dB @ 3 GHz to 4.5 GHz  
 ≥ 30 dB @ 4.5 GHz to 8.3 GHz  
 Insertion loss ≤ 0.05 x √f [GHz] dB  
 Insulation resistance ≥ 10 GΩ  
 Center contact resistance ≤ 0.4 mΩ  
 Outer contact resistance ≤ 1.5 mΩ  
 Working voltage (at sea level) 500 V rms  
 Power handling (at 20 °C, sea level, VSWR 1.0) 1800 W @ 1 GHz  
 800 W @ 4 GHz  
 RF-leakage ≥ 128 dB @ DC to 1 GHz  
 Intermodulation (3<sup>rd</sup> order) ≤ -128 dBm @ 2 x 20 W

**Mechanical data**

Mating cycles ≥ 500  
 Center contact captivation: axial ≥ 200 N  
 radial ≥ 2 Ncm  
 Coupling torque (recommended) 25 to 30 Nm  
 Proof torque ≤ 35 Nm

**Environmental data**

Temperature range -55 °C to +155 °C  
 Rapid change of temperature DIN EN 122190, Sub-clause 4.6.7  
 Corrosion resistance DIN EN 122190, Sub-clause 4.6.10  
 Vibration DIN EN 122190, Sub-clause 4.6.3  
 Climatic category DIN EN 122190, Sub-clause 4.6.5 (55/155/56)  
 Damp heat DIN EN 122190, Sub-clause 4.6.6  
 Degree of protection (mated pair) IEC 60529, IP68 2.5 bar 1h  
 RoHS compliant

**Tooling**

N/A

**Suitable cables**

N/A

**Weight**

Weight 60 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.

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



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Benjamin Kaindl	15.03.12	Chr. Janßen	09.02.21	d00	20-1927	S. Huber-Siegl	09.02.21

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