



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

**Interface**

According to IEC 61169-35  
Mechanically compatible with RPC-3.50 and SMA

**Documents**

N/A

**Material and plating**

**Connector parts**

Center conductor  
Outer conductor  
Dielectric  
Substrate

**Material**

CuBe  
Brass  
PEEK  
Al<sub>2</sub>O<sub>3</sub>

**Plating**

Gold, min. 1.27  $\mu\text{m}$ , over nickel  
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RPC-2.92

Termination  
Jack

**02K17R-001D3**

**Electrical data**

Frequency range DC to 40 GHz  
 Return loss  $\geq 36$  dB, DC to 4 GHz  
 $\geq 21$  dB, 4 GHz to 40 GHz  
 DC Resistance  $50 \Omega \pm 0.5 \Omega$   
 Power handling  $\leq 0.5$  W

**Mechanical data**

Mating cycles  $\geq 500$   
 Maximum torque 1.70 Nm  
 Recommended torque 0.90 Nm  
 Gauge 0.00 mm to 0.08 mm

**Environmental data**

Operating temperature range -40 °C to +85 °C  
 Storage temperature range -40 °C to +85 °C  
 RoHS compliant

**Packing**

Standard 1 pce in bag  
 Weight 3.3 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
Kerstin Herzog	19.05.06	Markus Müller	03.11.16	f00	16-1390	Marion Striegler	03.11.16

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