



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

**Interface**

RPC-3.50 according to  
RPC-3.50 mechanically compatible with  
NEX10 according to

IEC 60169-23  
RPC-2.92 and SMA  
TBD

**Documents**

N/A

N/A

**Material and plating**

**Connector parts**

Center contact  
Outer contact  
Coupling nut  
Dielectric

**Material**

CuBe  
Stainless steel  
Brass  
PTFE

**Plating**

Gold, min. 1.27 µm, over nickel  
Passivated  
White bronze(e.g. Optalloy®)

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Adaptor  
RPC-3.50 Jack- NEX10 Plug

**03K189-S00S3**

**Electrical data**

Impedance 50 Ω  
 Frequency DC to 20 GHz  
 Return loss ≥ 34 dB @ DC to 4 GHz  
 ≥ 32 dB @ 4 GHz to 6 GHz  
 ≥ 23 dB @ 6 GHz to 11 GHz  
 ≥ 20 dB @ 11 GHz to 20 GHz

**Mechanical data**

	NEX10 side	RPC-3.50 side
Mating cycles	≥ 100	≥ 500
Center contact captivation axial	≥ 25 N	
Recommended torque:	1.5 Nm	0.90 Nm

**Environmental data**

Temperature range -55 °C to +125 °C operating temperature  
 Thermal shock IEC 61169-1 9.4.4  
 Vibration IEC 61169-1 9.3.3 and IEC 60068-2-64  
 Shock IEC 61169-1 9.3.14  
 RoHS compliant

**Tooling**

N/A

**Packing**

Weight 10.7 g/pcs  
 Standard 1 pcs in bag

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
Songxianglong	15.12.2017	Heanyang	22.02.2018	a00	18-s001	Wangchen	09.10.2018
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