



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®)

Technical Data Sheet

Rosenberger

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

Mating cycles	NEX10 side ≥ 100	RPC-3.50 side ≥ 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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