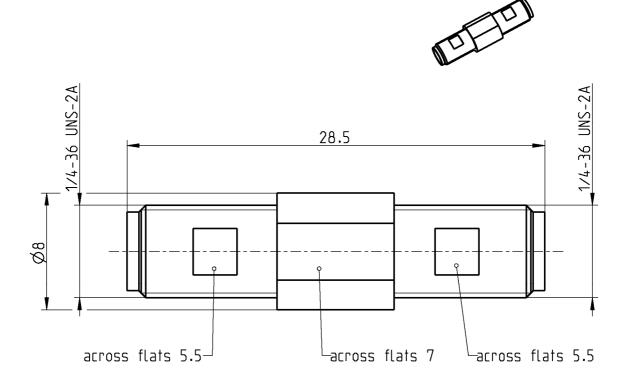
TECHNICAL DATA SHEET



RPC-3.50

ADAPTOR JACK - JACK

03K121-K00S3



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

Interface

According to Mechanically compatible with

IEC 60169-23 RPC-2.92 and SMA

Documents

N/A

Material and plating

Connector parts
Center contact
Outer contact
Dielectric

Material Plating

Beryllium copper $\mbox{Gold, min. 1.27 } \mu \mbox{m, over chemical nickel}$ Stainless steel $\mbox{Passivated}$ PS

TECHNICAL DATA SHEET



RPC-3.50 ADAPTOR JACK - JACK

03K121-K00S3

Electrical data

Impedance 50 Ω

Frequency DC to 26.5 GHz

Return loss \geq 26 dB, DC to 26.5 GHz Insertion loss \leq 0.04 x $\sqrt{f(GHz)}$ dB

 $\begin{array}{ll} \text{Insulation resistance} & \geq 5 \text{ } G\Omega \\ \text{Center contact resistance} & \leq 3.0 \text{ } m\Omega \\ \text{Outer contact resistance} & \leq 2.0 \text{ } m\Omega \\ \text{Test voltage} & 1000 \text{ V rms} \\ \text{Working voltage} & 335 \text{ V rms} \\ \end{array}$

RF-leakage ≥ 100 dB up to 1 GHz

Mechanical data

 $\begin{array}{ll} \mbox{Mating cycles} & \geq 500 \\ \mbox{Center contact captivation} & \geq 27 \ \mbox{N} \\ \mbox{Coupling test torque} & 1.70 \ \mbox{Nm} \\ \end{array}$

Recommended torque 0.80 Nm to 1.10 Nm

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

2002/95/EC (RoHS) compliant

Tooling

N/A

Suitable cables

N/A

Packing

Standard 1 pce in box Weight 6.2 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
Herbert Babinger	11/05/04	A. Maiwälder	13/10/11		c00	11-0951	T. Oberhauser	13/10/11
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