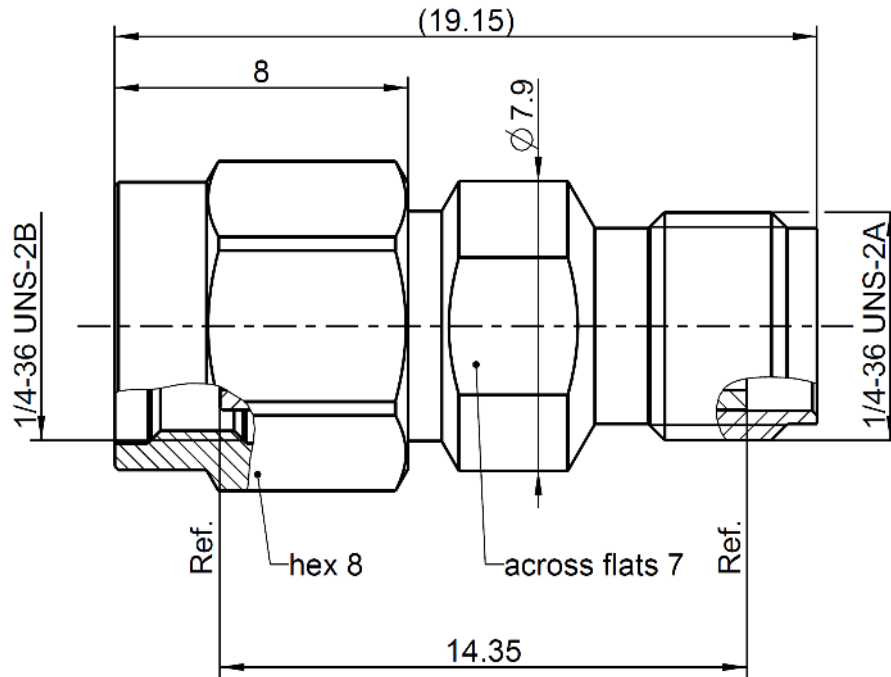


RPC-3.50

Adaptor
plug - jack

03S121-K02S3



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

Interface

According to IEC 60169-23
Mechanically compatible with RPC-2.92 and SMA

Documents

N/A

Material and plating

Connector parts

| Connector parts | Material | Plating |
|-----------------|-----------------|--|
| Center contact | CuBe | Gold, min. 1.27 µm, over chemical nickel |
| Outer contact | Stainless steel | Passivated |
| Coupling nut | Stainless steel | Passivated |
| Dielectric | PS | |
| Gasket | Silicone | |

RPC-3.50

Adaptor
plug - jack

03S121-K02S3

Electrical data

| | |
|--------------------------------|-------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 26.5 GHz |
| Return loss | ≥ 26 dB, DC to 26.5 GHz |
| Insertion loss | ≤ 0.04 x √f(GHz) dB |
| Insulation resistance | ≥ 5 GΩ |
| Proof voltage (at sea level) | 1000 V rms |
| Working voltage (at sea level) | 335 V rms |
| RF-leakage | ≥ 100 dB up to 1 GHz |

Mechanical data

| | |
|-----------------------------------|--------------------|
| Mating cycles | ≥ 500 |
| Center contact captivation: axial | ≥ 27 N |
| radial | ≥ 0.01 Nm |
| Coupling test torque | 1.70 Nm |
| Recommended torque | 0.80 Nm to 1.10 Nm |

Environmental data

| | |
|---------------------|---------------------------------|
| Temperature range | -40°C to +85°C |
| Thermal shock | MIL-STD-202, Meth. 107, Cond. B |
| Corrosion | MIL-STD-202, Meth. 101, Cond. B |
| Vibration | MIL-STD-202, Meth. 204, Cond. D |
| Shock | MIL-STD-202, Meth. 213, Cond. I |
| Moisture resistance | MIL-STD-202, Meth. 106 |
| RoHS | compliant |

Tooling

N/A

Suitable cables

N/A

Weight

4.2 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 |
|--------------|----------|------------------|----------|------|---------------------------|----------|----------|
| R. Neuhauser | 30.09.19 | Herbert Babinger | 16.12.20 | a00 | 20-s226 | A.Youmsi | 16.12.20 |

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