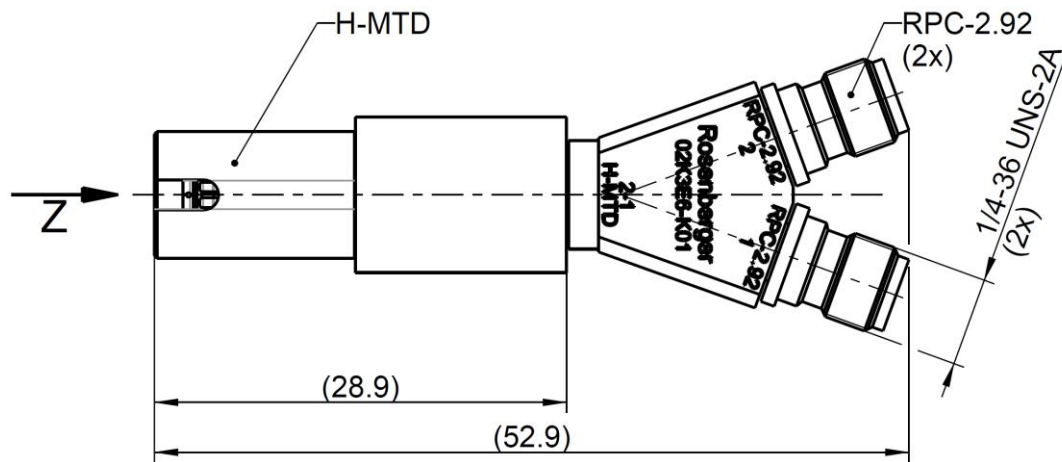
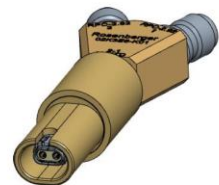
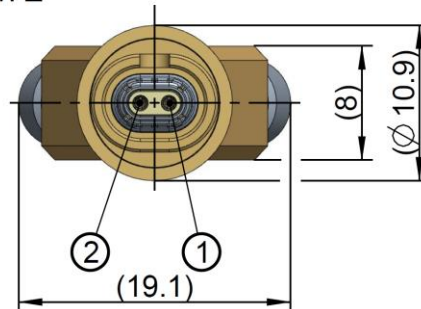


ADAPTOR
RPC-2.92 Jack – H-MTD Jack

02K3E6-K01S5



View: Z



○ =pinning

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

Interface

RPC-2.92 according to
RPC-2.92 mechanically compatible with
H-MTD compatible to

IEC 60169-23
RPC-3.50 and SMA
RN_121-01

Documents

N/A

Material and plating

Connector parts

Body housing
Outer contact H-MTD
Center contact H-MTD
Dielectric H-MTD
Outer contact RPC-2.92
Center contact RPC-2.92
Dielectric RPC-2.92

Material

Brass
Spring bronze
Brass
PBT
Stainless steel
CuBe
TPX

Plating

AuroDur®, gold plated
AuroDur®, gold plated
AuroDur®, gold plated
Passivated
AuroDur®, gold plated

öffentlich | public

Technical Data Sheet

RosenbergerADAPTOR
RPC-2.92 Jack – H-MTD Jack**02K3E6-K01S5****Electrical data**

Frequency	DC to 20 GHz
Return loss *1	≥ 25 dB, DC to 6 GHz
	≥ 20 dB, 6 GHz to 10 GHz
	≥ 15 dB, 10 GHz to 20 GHz
Gated return loss *1	≥ 30 dB, DC to 6 GHz
	≥ 25 dB, 6 GHz to 10 GHz
	≥ 20 dB, 10 GHz to 15 GHz
	≥ 15 dB, 15 GHz to 20 GHz
Insertion loss *2	≤ 0.01 * $\sqrt{f(\text{GHz}) \cdot 1000}$
Modeconversion *2,3 (LCL, LCTL)	≥ 30 dB, DC to 6 GHz
	≥ 25 dB, 6 GHz to 10 GHz
	≥ 20 dB, 10 GHz to 15 GHz
	≥ 15 dB, 15 GHz to 20 GHz

*1 Measurement setup according to RN_147

*2 Mated pair of adapters back to back

*3 Achieving OPEN Alliance TC9 fixture and MDI test head limits may require additional offset correction

Mechanical data

	RPC-2.92	H-MTD
Mating cycles	≥ 500	≥ 500 ³
Maximum torque	1.70 N	
Recommend torque	0.80 Nm to 1.10 Nm	
Engagement force		≤ 15 N
Disengagement force		≥ 2 N
Gauge	0.00 mm to 0.08 mm	

³ Limitations are possible due to the quality to the used mating connector.**Environmental data**

Operating temperature range ¹	+20 °C to +26 °C
Rated temperature range of use ²	0 °C to + 50 °C
Storage temperature range	-40 °C to +120 °C

RoHS compliant

¹ Temperature range over which these specifications are valid.² This range is underneath and above the operating temperature range, within the open circuit is fully functional and could be used without damage**Weight**

27.8 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
05000101	24.06.20	H. Babinger	30.11.21	300	21-2294	J. Rohloff	30.11.21
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