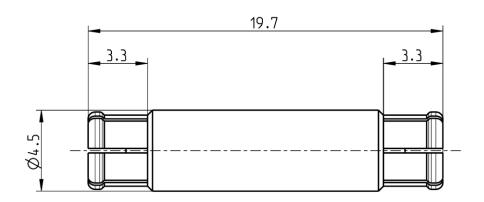
Technical Data Sheet		Rosenberger		
P-SMP	Adaptor	119K109-K00N5		





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

Interface	
According to	Rosenberger P-SMP
Documents	

Material and plating		
Connector parts	Material	Plating
Center contact	CuBe	AuroDur®, gold plated
Outer contact	CuBe	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	

N/A

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de

Tel.: +49 8684 18-0 Email: info@rosenberger.de Page

1/2

Technical Data Sheet Rosenberger

P-SMP Adaptor **119K109-K00N5**

Electrical data

Impedance 50Ω

Frequency DC to 10 GHz Return loss \geq 30 dB, DC to 2 GHz

≥ 27 dB, 2 to 4 GHz ≥ 24 dB, 4 to 6 GHz

Insertion loss $\leq 0.05 \text{ x } \sqrt{f(GHz)} dB$

 $\begin{array}{ll} \mbox{Insulation resistance} & \geq 5 \ \mbox{G}\Omega \\ \mbox{Center contact resistance} & \leq 3.0 \ \mbox{m}\Omega \\ \mbox{Outer contact resistance} & \leq 2.0 \ \mbox{m}\Omega \\ \mbox{Test voltage (at sea level)} & 1000 \ \mbox{V rms} \\ \mbox{Working voltage (at sea level)} & 480 \ \mbox{V rms} \\ \end{array}$

Power handling (at 20 °C, sea level, VSWR 1.0) \leq 200 W @ 2.2 GHz Intermodulation (3rd order) \geq 160 dBc (2 x 43 dBm)

Mechanical data

Mating cycles

 $\begin{array}{ll} \text{if mating part is Smooth bore, Catchers mitt} & \geq 1000 \\ \text{if mating part is Limited detent} & \geq 100 \\ \text{if mating part is Full detent} & \geq 100 \\ \text{Center contact captivation} & \geq 7 \text{ N} \\ \text{Engagement force} \end{array}$

 $\begin{array}{lll} \text{- Smooth bore, Catchers mitt} & \leq 10 \text{ N} \\ \text{- Limited detent} & \leq 45 \text{ N} \\ \text{- Full detent} & \leq 68 \text{ N} \\ \text{Disengagement force} & \end{array}$

- Smooth bore, Catchers mitt $\geq 2.2 \text{ N}$ - Limited detent $\geq 15 \text{ N}$ - Full detent $\geq 25 \text{ N}$ Permissible angular misalignment $\geq 2.8^{\circ}$

Environmental data

Temperature range -65°C to +165°C

Rapid change of temperature IEC 60169-1, Sub-clause 16.4 (-65°C to +165°C)

Vibration IEC 60068-2-64 random Shock IEC 60068-2-27 (half-sine)

High temperature endurance IEC 60169-1, Sub-clause 18 (+165°C, 1000 hours)

RoHS compliant

Weight

Weight 1.24 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.

For the installation of the electrotechnical equipment, particular electrotechnical expertise is required.



Draft	Date	Approved	Date] [Rev.	Engineering change number	Name	Date
S. Mühlbacher	01.02.10	Chr. Janßen	21.10.20		f00	20-1927	S. Huber-Siegl	21.10.20

Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de

Tel.: +49 8684 18-0 Email: info@rosenberger.de Page

2/2

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for RF Adapters - In Series category:

Click to view products by Rosenberger manufacturer:

Other Similar products are found below:

5916-1103-603 5919-1503-000 5919-9503-000 651A505 82-5552 9030-9523-502 PN2C A0407000 R114703000W R125771001

R127871001 R141710000W R141723161 R141730000 R143730700 R143770000 R161703000W R161753000W R161791530W

R201705000 R222705200 R222M40010W R223703180 R316754000 R405006000 R443162000 AD78TL HRM-513S 1996352-2

2157155-1 252169-75 AD158 2101130-1 252186 R114704000W R114720000W R125705001 R125705701 R125771000 R125771001W

R127704001 R127.870.001 R127872001 R141717000 R142710000 R142723000 R143703000 R143704000 R143705700 R143710000