



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



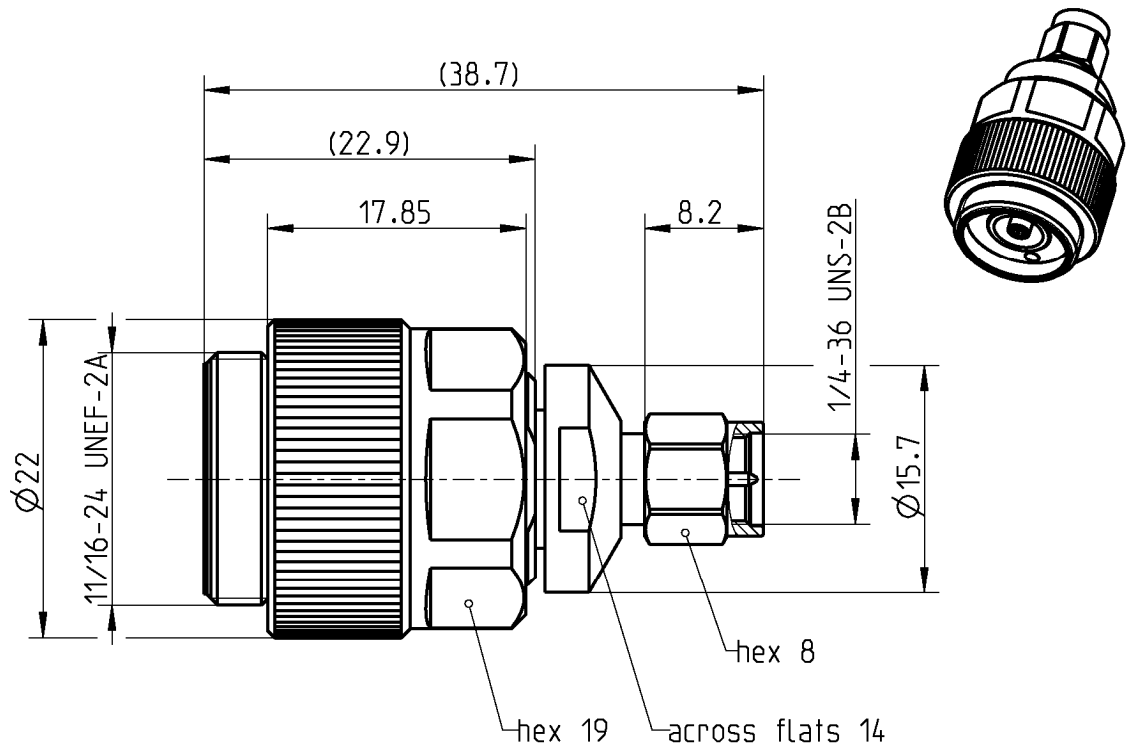
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All dimensions are in mm; tolerances according to ISO 2768 m-H

#### Interface

RPC-7 according to  
SMA according to  
SMA mechanically compatible with

IEC 457-2  
IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310  
RPC-2.92 and RPC-3.50

#### Documents

N/A

#### Material and plating

##### Connector parts

Center contact  
Outer contact RPC-7  
Outer contact SMA  
Coupling nut  
Dielectric 1  
Dielectric 2  
Gasket

##### Material

CuBe  
CuBe  
Stainless steel  
Stainless steel  
PPE  
PTFE  
Silicone

##### Plating

Gold, min. 1.27 µm, over chemical nickel  
Gold, min. 1.27 µm, over chemical nickel  
Passivated  
Passivated

## Technical Data Sheet

# Rosenberger

Adaptor  
RPC-7 – SMA plug

**07P132-S00S3**

### Electrical data

Impedance	50 $\Omega$
Frequency	DC to 18 GHz
Return loss	$\geq 23$ dB, DC to 18 GHz
Insertion loss	$\leq 0.1 \times \sqrt{f(\text{GHz})}$ dB
Insulation resistance	$\geq 5$ G $\Omega$
Test voltage (at sea level)	1000 V rms
Working voltage (at sea level)	480 V rms
RF-leakage	$\geq 90$ dB up to 1 GHz

### Mechanical data

Mating cycles RPC-7	$\geq 5000$
Mating cycles SMA	$\geq 500$
Center contact captivation	$\geq 28$ N
Coupling test torque RPC-7	1.95 Nm
Recommended torque RPC-7	1.36 Nm
Coupling test torque SMA	1.70 Nm
Recommended torque SMA	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

47.g 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	05.08.04	F. Reiner	20.06.18	b01	18-1026	M.Ruf	18.06.18

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Page

2 / 2