



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!



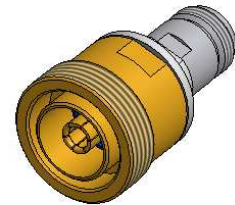
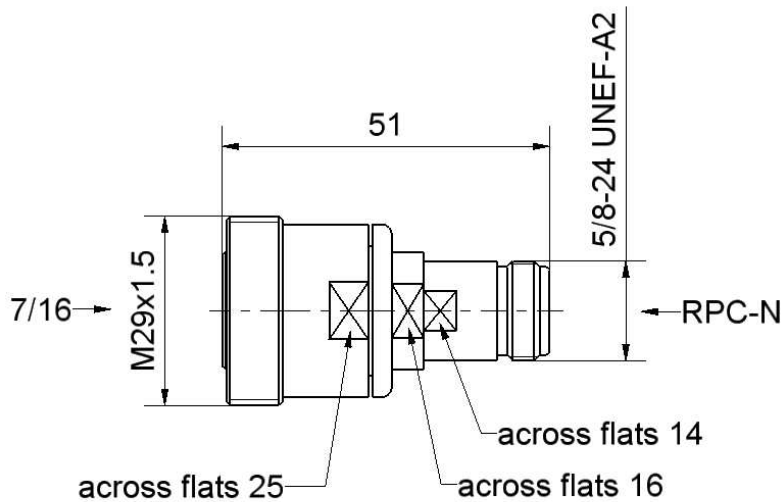
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All dimensions are in mm; tolerances according to ISO 2768 m-H

## Interface

According to – 7/16 side  
According to – RPC-N side

IEC 60169-4, VG 95250, EN 122190, DIN 47223  
IEC 60169-16 ; CECC 22 210 ; MIL-STD 348 A/402

## Documents

N/A

## Material and plating

### Connector parts

Center contact  
Outer contact – 7/16 side  
Outer contact – RPC-N side  
Body  
Dielectric

### Material

Beryllium copper  
Brass  
Stainless steel  
Brass  
PPE

### Plating

Gold, min. 1.27 µm, over nickel  
Gold, min. 1.27 µm, over nickel  
Passivated  
Flash white bronze over silver(e.g. Optargen®)

## Technical Data Sheet

# Rosenberger

Adaptor  
RPC-N 50Ω Jack – 7/16 50Ω Jack

**05K160-K50D3**

### Electrical data

Impedance	50 Ω	
Frequency	DC to 8 GHz	
Return loss	≥ 36 dB, DC to 4 GHz	
	≥ 33 dB, 4 GHz to 8 GHz	
Center contact resistance	≤ 4.0 mΩ, 7/16 side	≤ 1.0 mΩ, RPC-N side
Outer contact resistance	≤ 1.5 mΩ, 7/16 side	≤ 1.0 mΩ, RPC-N side

### Mechanical data

	7/16 side	RPC-N side
Mating cycles	min. 500	min. 500
Center contact captivation	≥ 200 N	≥ 28 N
Coupling test torque	max. 35 Nm	max. 1.70 Nm
Recommended torque	25 to 30 Nm	0.70 to 1.10 Nm

### Environmental data

Temperature range	-40°C to +85°C
2002/95/EC (RoHS)	compliant

### Tooling

N/A

### Suitable cables

N/A

### Packing

Standard	1 pce in bag
Weight	102 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
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