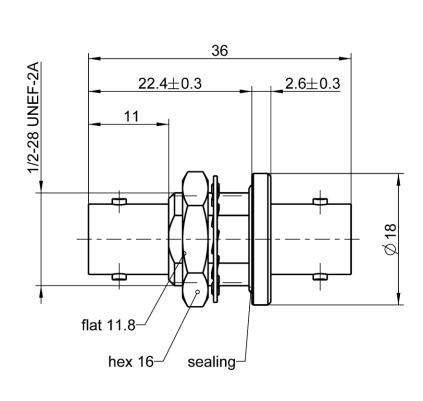
Technical Data Sheet		Rosenberger		
BNC 75 Ω	Adaptor	71K501-K00N5		





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

Interface					
Compatible to	IEC 61169-8,	IEC 61169-8, MIL-PRF-39012, CECC 22120			
Documents					
Panel piercing	B 3				
Material and plating					
Connector parts	Material	Plating			
Center contact	CuBe	AuroDur®, gold plated			
Outer contact	Brass	Flash white bronze over silver(e.g. Ontar			

Center contact	CuBe	AuroDur®, gold plated
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Body	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Gasket	NBR	

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### **Technical Data Sheet**

# Rosenberger

BNC 75 Ω

Adaptor Jack – Jack

71K501-K00N5

#### Electrical data

Impedance

Frequency DC to 4 GHz

Return loss  $\geq$  16 dB @ DC to 0.5 GHz

Insertion loss  $\leq 0.1 \text{ x } \sqrt{\text{ f [GHz]}} \text{ dB, DC to } 0.5 \text{ GHz}$ 

 $75 \Omega$ 

 $\begin{array}{lll} \mbox{Insulation resistance} & \geq 5 \ \mbox{G}\Omega \\ \mbox{Center contact resistance} & \leq 1.5 \ \mbox{m}\Omega \\ \mbox{Outer contact resistance} & \leq 1 \ \mbox{m}\Omega \\ \mbox{Test voltage (at sea level)} & 1500 \ \mbox{V rms} \\ \mbox{Working voltage (at sea level)} & 400 \ \mbox{V rms} \\ \mbox{Power handling (at 20 °C, sea level, VSWR 1.0)} & 80 \ \mbox{W} @ 2 \ \mbox{GHz} \\ \end{array}$ 

#### Mechanical data

#### **Environmental data**

Temperature range

Thermal shock
Corrosion resistance
Vibration
Shock

-25 °C to +110 °C
MIL-STD-202, Method 107, Condition B
MIL-STD-202, Method 101, Condition B
MIL-STD-202, Method 204, Condition B
MIL-STD-202, Method 213, Condition G

Moisture resistance MIL-STD-202, Method 106

RoHS compliant

**Tooling** 

N/A

Suitable cables

N/A

Weight

Weight 21.5 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
Inge Mühlauer	27.07.04	Chr. Janßen	08.03.21	e00	20-1927	S. Huber-Siegl	08.03.21

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