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!

Contact us

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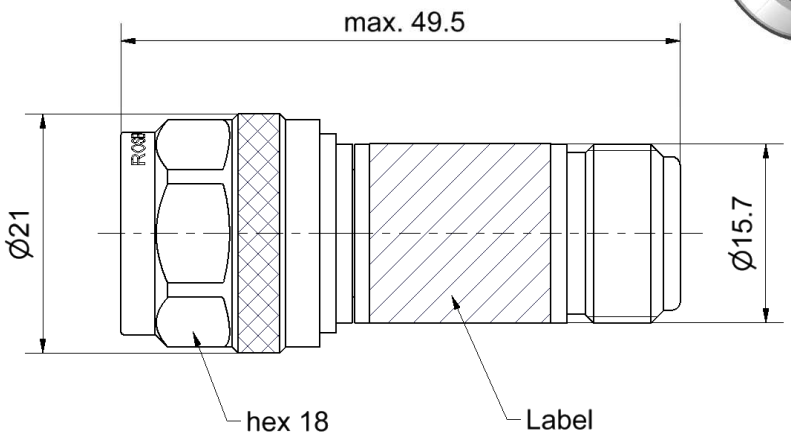
Technical Data Sheet		Rosenberger
N 50 Ω	Attenuator Plug/Jack	**53AS102-K30N3**



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

Interface

According to	IEC 61169-16

Documents

N/A

Material and plating

Connector parts	Material	Plating
Center contact - plug	Brass	Gold, min. 1.27 µm, over nickel
Center contact - jack	CuBe	Gold, min. 1.27 µm, over nickel
Outer contact	Brass	Flash white bronze over silver(e.g. Optargen®)
Coupling nut	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	PTFE	
Substrate	Al_2O_3	

Rosenberger Hochfrequenztechnik GmbH & Co. KG
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Technical Data Sheet		Rosenberger
N 50 Ω	Attenuator Plug/Jack	**53AS102-K30N3**

Electrical data

Impedance	50 Ω
Frequency	DC to 12.4 GHz
Return loss	≥ 26.4 dB, DC to 4 GHz ≥ 20.8 dB, 4 GHz to 10 GHz ≥ 19.1 dB, 10 to 12.4 GHz
Attenuation	30 dB ± 0.3 dB, DC to 4 GHz 30 dB ± 0.6 dB, 4 GHz to 8 GHz 30 dB ± 1.0 dB, 8 GHz to 12.4 GHz
Power handling	2 W at 25°C derated linearity to 0 Watts at 125°C

Mechanical data

Mating cycles	≥ 500
Coupling nut retention	≥ 450 N
Center contact captivation	≥ 28 N
Maximum torque	1.70 Nm
Recommended torque	0.70 Nm to 1.10 Nm

Environmental data

Operating temperature range[1]	0 °C to +50 °C
Storage temperature range	-40 °C to +85 °C
RoHS	compliant

[1] *Temperature range over which these specifications are valid.*

Packing

Standard	1 pce in bag
Weight	67.0 g/pce

Draft	Date	Approved	Date
Kerstin Herzog	06.01.05	Lars Ramtke	05.02.16

Rev.	Engineering change number	Name	Date
b00	16-0025	Marion Striegler	05.02.16

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