

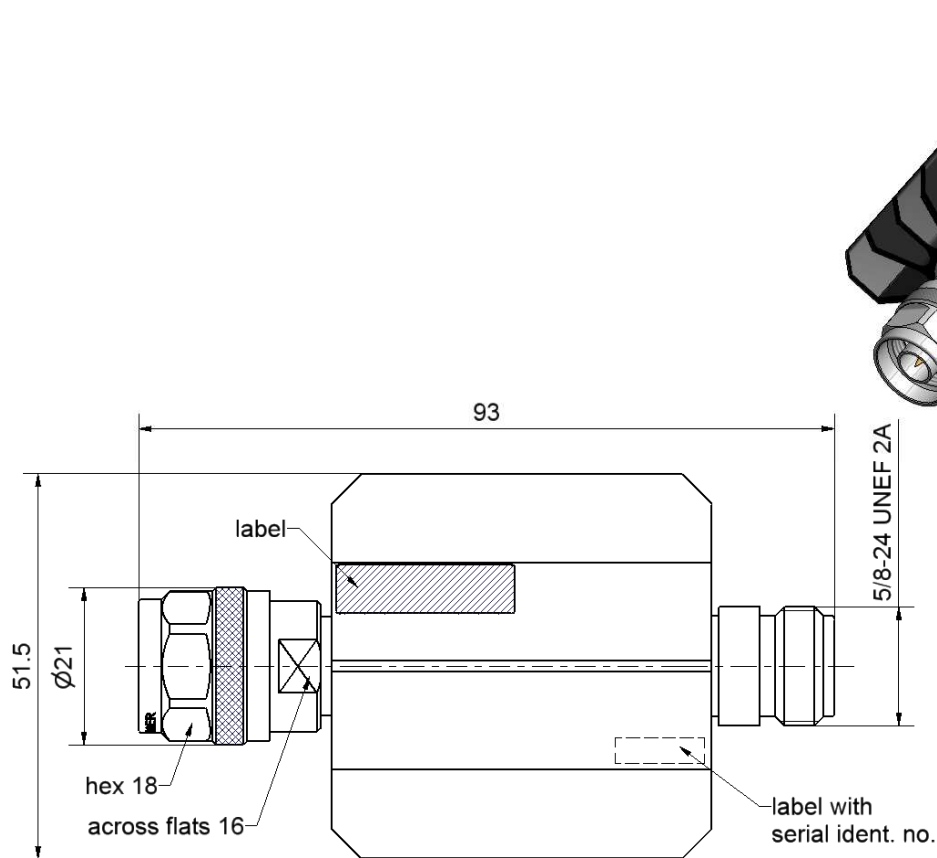
Technical Data Sheet

Rosenberger

N 50 Ω

Attenuator
Plug / Jack 20 Watt

53AS120-K06N3



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

Center conductor - plug
Center conductor - jack
Outer conductor
Coupling nut
Heatsink
Dielectric
Substrate

Material

Brass
Beryllium copper
Brass
Brass
Aluminum
PTFE
AlN

Plating

Gold, min. 1.27 µm, over nickel
Gold, min. 1.27 µm, over nickel
Flash white bronze over silver(e.g. Optargen®)
White bronze(e.g. Optalloy®)
Black anodized

RF_35/09.14/6.2
Dieses Dokument ist urheberrechtlich geschützt • This document is protected by copyright • Rosenberger Hochfrequenztechnik GmbH & Co. KG

Technical Data Sheet				Rosenberger			
N 50 Ω		Attenuator Plug / Jack 20 Watt		53AS120-K06N3			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 10 GHz					
Return loss		≥ 26.4 dB, DC to 2 GHz					
		≥ 21.2 dB, 2 GHz to 5 GHz					
		≥ 14.0 dB, 5 GHz to 10 GHz					
Attenuation		6 dB ± 0.3 dB, DC to 2 GHz					
		6 dB ± 0.5 dB, 2 GHz to 4 GHz					
		6 dB ± 1.0 dB, 4 GHz to 10 GHz					
Power handling (at 25 °C, sea level)		≤ 20 W, derated linearity by 0.2 W/K					
Mechanical data							
Mating cycles		≥ 500					
Coupling nut retention		≥ 450 N					
Center contact captivation		≥ 28 N					
Coupling test torque		≤ 1.7 Nm					
Recommended torque		0.7 Nm to 1.1 Nm					
Environmental data							
Temperature range		-65 °C to +125 °C					
RoHS		compliant					
Tooling							
		N/A					
Suitable cables							
		N/A					
Packing							
Standard		1 pce in air cushion bag					
Weight		270 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
Kerstin Herzog	05.08.05	Markus Müller	20.07.18	c00	18-1027	Marion Striegler	20.07.18
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