

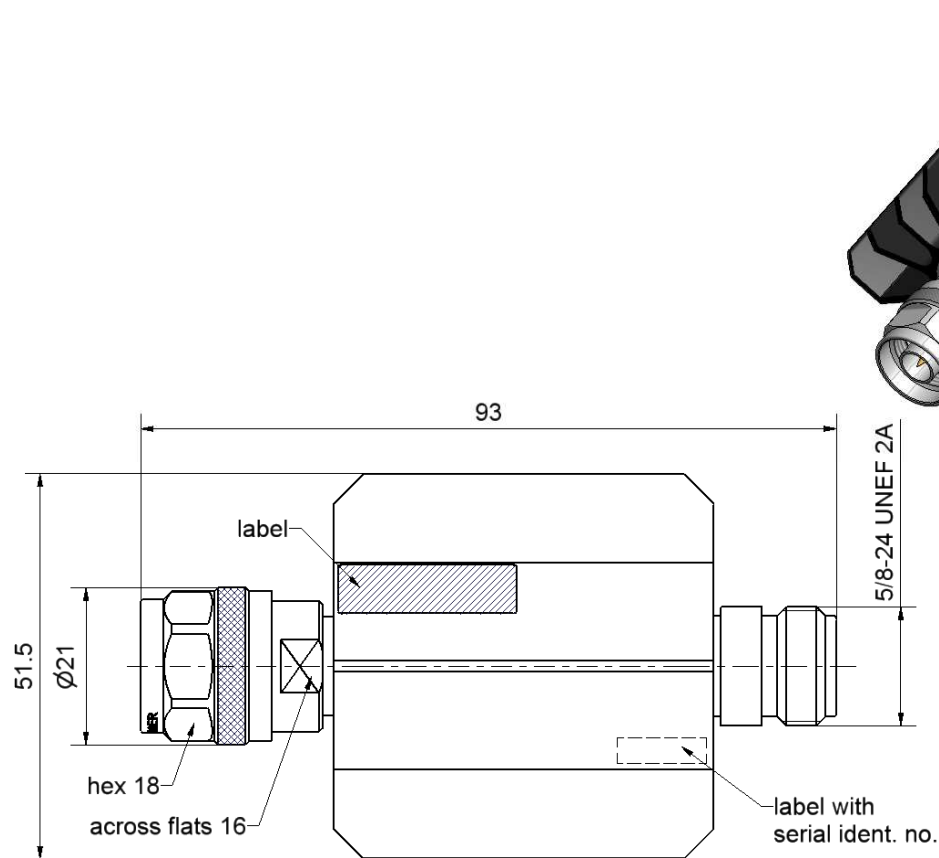
Technical Data Sheet

Rosenberger

N 50 Ω

Attenuator
Plug / Jack 20 Watt

53AS120-K20N3



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

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Technical Data Sheet		Rosenberger					
N 50 Ω	Attenuator Plug / Jack 20 Watt	53AS120-K20N3					
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	20 dB ± 0.4 dB, DC to 2 GHz 20 dB ± 0.5 dB, 2 GHz to 4 GHz 20 dB ± 1.5 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						
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