

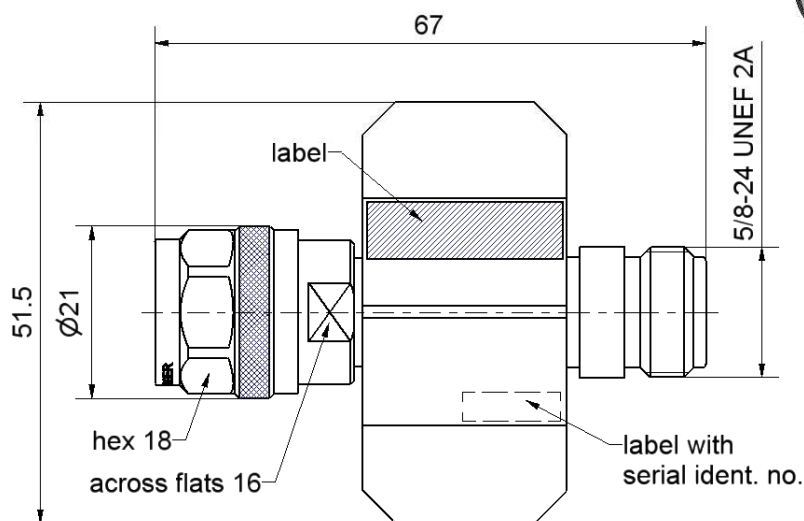
Technical Data Sheet

Rosenberger

N 50 Ω

Attenuator
Plug / Jack 10 Watt

53AS110-K10N3



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

Technical Data Sheet

Rosenberger

N 50 Ω

Attenuator
Plug / Jack 10 Watt

53AS110-K10N3

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	10 dB $\pm$ 0.3 dB, DC to 2 GHz 10 dB $\pm$ 0.5 dB, 2 GHz to 4 GHz 10 dB $\pm$ 1.0 dB, 4 GHz to 10 GHz
Power handling (at 25 °C, sea level)	≤ 10 W, derated linearity by 0.1 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	155 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