

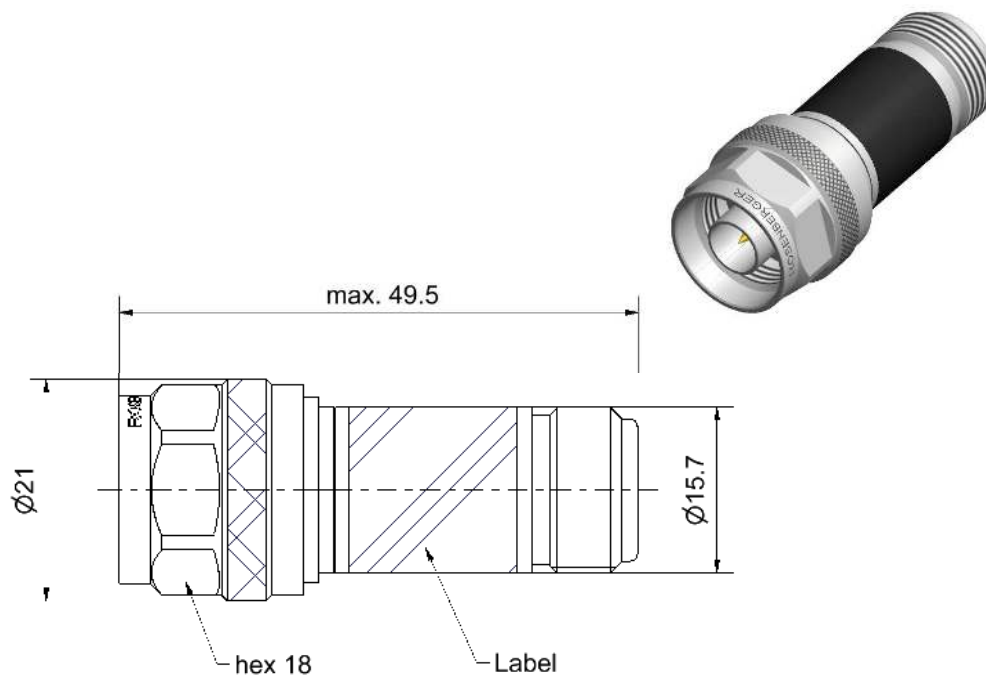
Technical Data Sheet

Rosenberger

N 50 Ω

Attenuator
Plug/Jack

53AS102-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 contact - plug
Center contact - jack
Outer contact
Coupling nut
Dielectric
Substrate

Material

Brass
CuBe
Brass
Brass
PTFE
Al₂O₃

Plating

Gold, min. 1.27 μ m, over nickel
Gold, min. 1.27 μ m, over nickel
Flash white bronze over silver(e.g. Optargen®)
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Technical Data Sheet				Rosenberger			
N 50 Ω		Attenuator Plug/Jack		53AS102-K06N3			
Electrical data Impedance Frequency Return loss Attenuation Power handling 50 Ω DC to 12.4 GHz ≥ 26.4 dB, DC to 4 GHz ≥ 20.8 dB, 4 GHz to 10 GHz ≥ 19.1 dB, 10 to 12.4 GHz 6 dB ± 0.3 dB, DC to 4 GHz 6 dB ± 0.6 dB, 4 GHz to 8 GHz 6 dB ± 1.0 dB, 8 GHz to 12.4 GHz 2 W at 25°C derated linearity to 0 Watts at 125°C							
Mechanical data Mating cycles Coupling nut retention Center contact captivation Maximum torque Recommended torque ≥ 500 ≥ 450 N ≥ 28 N 1.70 Nm 0.70 Nm to 1.10 Nm							
Environmental data Operating temperature range¹ Storage temperature range RoHS 0 °C to +50 °C -40 °C to +85 °C compliant ¹ Temperature range over which these specifications are valid.							
Packing Standard Weight 1 pce in bag 67.0 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	
Kerstin Herzog		06.01.05		Lars Ramtke		05.02.16	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Rev.		Engineering change number	
				b00		16-0025	
				Name		Date	
				Marion Striegler		05.02.16	
				Tel. : +49 8684 18-0		Page	
				Email : info@rosenberger.de		2 / 2	