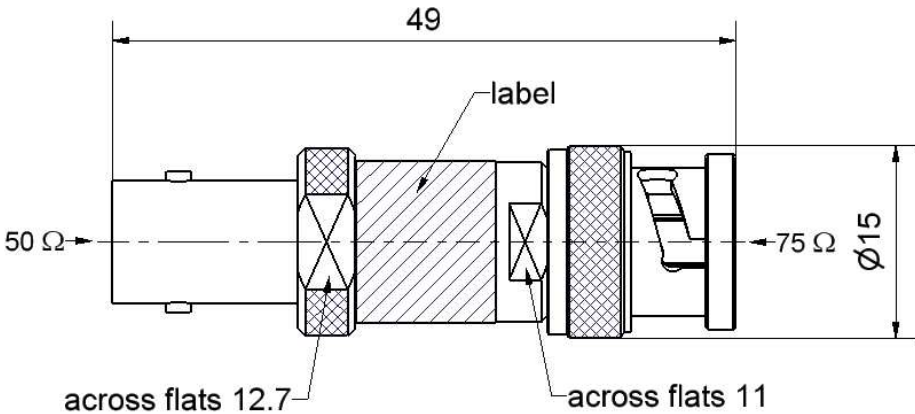
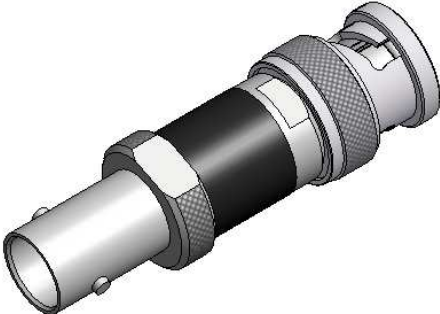


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Technical Data Sheet		Rosenberger
BNC	Matching Attenuator 50 Ω Jack – 75 Ω Plug	51K171-S00N4
		
All dimensions are in mm; tolerances according to ISO 2768 m-H		
Interface		
According to		DIN EN 61169-8
Documents		
		N/A
Material and plating		
Connector parts		
Center conductor - 50 Ω	Material	Plating
Center conductor - 75 Ω	Beryllium copper	Gold, min. 0.8 μm , over nickel
Outer conductor	Brass	Gold, min. 0.8 μm , over nickel
Coupling nut	Brass	Flash white bronze over silver(e.g. Optargen®)
Dielectric	Brass	Flash white bronze over silver(e.g. Optargen®)
Substrate	PTFE	
	Al_2O_3	
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
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Technical Data Sheet		Rosenberger					
BNC	Matching Attenuator 50 Ω Jack – 75 Ω Plug	51K171-S00N4					
Electrical data							
Impedance	50 Ω; (f) side	75 Ω, (m) side					
Frequency	DC to 2 GHz						
Return loss	≥ 46.0 dB, (m) side	DC to 30 MHz	≥ 44.5 dB, (f) side				
	≥ 42.0 dB, (m) side	30 MHz to 100 MHz	≥ 40.1 dB, (f) side				
	≥ 36.6 dB, (m) side	100 MHz to 300 MHz	≥ 34.1 dB, (f) side				
	≥ 28.3 dB, (m) side	300 MHz to 0.5 GHz	≥ 28.3 dB, (f) side				
	≥ 26.4 dB, (m) side	0.5 GHz to 1 GHz	≥ 23.1 dB, (f) side				
	≥ 23.1 dB, (m) side	1 GHz to 2 GHz	≥ 16.5 dB, (f) side				
Attenuation	5.72 dB (non warrented)						
Power handling (at 25 °C, sea level)	≤ 1 W, derated linearity by 0.01 W/K						
Mechanical data							
Mating cycles	≥ 500						
Center contact captivation	≥ 27 N						
Environmental data							
Temperature range	-65 °C to +165 °C						
RoHS	compliant						
Tooling							
	N/A						
Suitable cables							
	N/A						
Packing							
Standard	1 pce in bag						
Weight	24.5 g/pce						
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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Kerstin Herzog	10.03.05	Markus Müller	22.05.18	d00	18-1027	Marion Striegler	22.05.18
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