

Electrical characteristics:

Characteristic impedance: 50 Ω
 Frequency range: DC...10 GHz
 Return Loss: DC to 2 GHz ≤ -26 dB
 2 to 5 GHz ≤ -21 dB
 5 to 10 GHz ≤ -14 dB
 Insertion Loss: 10 dB ±0.3 dB @ 2 GHz
 ±0.5 dB @ 4 GHz
 ±1 dB @ 10 GHz
 Isolation resistance: ≥ 5x10³ MΩ
 Center contact resistance: ≤ 1 mΩ
 Outer contact resistance: ≤ 0.25 mΩ
 Test voltage: 2500 V rms
 Working voltage: 1400 V rms
 Power handling: max. 2 W at 25°C
 derated linearly to 0 W at 125°C

Mechanical characteristics:

Coupling torque: 0.7...1.1Nm
 Coupling nut retention: 450 N
 Center contact retention force: 28 N
 Connecting operations: ≥ 500

Connector parts:

Material

Plating

Outer contact: Brass Nickel
 Center contact jack: Beryllium copper Au 1.27 μm
 Center contact plug: Brass Au 1.27 μm
 Body: Brass Nickel
 Insulator: PTFE
 Gasket: Silicone

Dimensions:

Mating dimensions: according MIL-C-39012

Environmental data:

Temperature range: -55 °C to +125 °C
 Quality test: MIL-STD-202
 Climatic class: IEC 68 55 / 125 / 21
 Waterproof: IEC 529 IP67 (mated Interfaces)

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				Date	Name	Specification 53AS105-K10 A3 #1530.48102
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			Checked			
			STD			
			Dept.	TC		Attenuator 10 dB N, male/female
			Rosenberger Hochfrequenztechnik			
a	---	21.08.00	FR			Sheet 1
Sta	Revision	Date	Name			Sh. 1
				Repl. f:	Repl. by:	