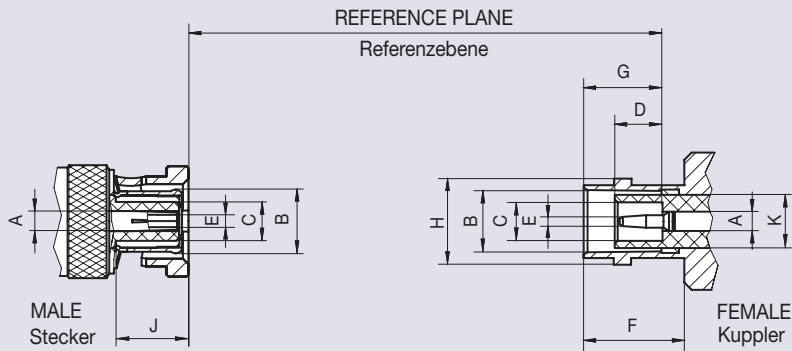


BNC Reverse 50 Ω

Interface Dimensions BNC Reverse 50 Ω

Code 51R



	Male Stecker		Female Kuppler	
	min.	max.	min.	max.
A	Ø 2.06	Ø 2.21	Ø 2.06	Ø 2.21
B	1)		Ø 8.10	Ø 8.15
C	–	Ø 4.72	Ø 4.83	–
D	–	–	4.78	5.28
E	1)		Ø 1.32	Ø 1.37
F	–	–	10.52	–
G	–	–	8.31	8.51
H	–	–	Ø 10.97	Ø 11.07
J	5.28	5.79	–	–
K	–	–	Ø 7.00 nom.	

Dimensions in mm

¹⁾ Resilient, dimension to meet electrical and mechanical requirements

Features

- ▶ Interface according to Rosenberger Reverse BNC, FCC Standard
- ▶ Frequency range DC to 10 GHz (max.), DC to 4 GHz (opt.)
- ▶ Return loss (cable connector straight) ≥ 20 dB (typ.)
- ▶ Impedance 50 Ω
- ▶ Bayonet coupling

Product Range

Connectors are available on request

Technical Data BNC Reverse 50 Ω

Code 51R

Applicable standards Anwendbare Normen	
Interface according to Interface gemäß	Rosenberger BNC Reverse compliant with FCC standard (part 15, section 15.203) derived from IEC 61169-8, MIL-PRF-39012, CECC 22120
Electrical data Elektrische Daten	
Impedance Wellenwiderstand	50 Ω
Frequency range Frequenzbereich	DC to 10 GHz (max.) DC to 4 GHz (opt.)
Return loss (cable connector straight) Rückflusdämpfung (Kabelsteckverbinder gerade)	≥ 20 dB (typ.)
Insertion loss Dämpfung	≤ 0.1 x √f (GHz) dB
Insulation resistance Isolationswiderstand	≥ 5 GΩ
Center contact resistance Übergangswiderstand Innenleiter	≤ 1.5 mΩ
Outer contact resistance Übergangswiderstand Außenleiter	≤ 1 mΩ
Test voltage Prüfspannung	1500 V rms
Working voltage Betriebsspannung	400 V rms
Power handling Leistungsbelastbarkeit	80 W @ 2 GHz
Mechanical data Mechanische Daten	
Mating cycles Steckzyklen	≥ 500
Center contact captivation Innenleiter Haltekraft	axial: ≥ 15 N
Environmental data Umweltdaten	
Temperature range Temperaturbereich	-65 °C to +165 °C
Thermal shock Temperaturzyklen	MIL-STD-202, Method 107, Condition B
Corrosion resistance Korrosionsbeständigkeit	MIL-STD-202, Method 101, Condition B
Moisture resistance Feuchtigkeitsbeständigkeit	MIL-STD-202, Method 106
Vibration Vibration	MIL-STD-202, Method 204, Condition B
Shock Schock	MIL-STD-202, Method 213, Condition G
Max. soldering temperature (PCB connectors) Max. Löttemperatur (Leiterplattensteckverbinder)	IEC 61760-1, +260 °C for 10 sec.
Materials Materialien	
Spring loaded contact parts Federnde Kontaktteile	CuBe / CuSn, Au plating
Center contact Innenleiter	CuZn, Au plating
Outer contact Außenleiter	CuZn, white bronze plating
Crimping ferrule Crimphülse	Cu, white bronze plating
Dielectric Dielektrikum	PTFE
Gasket Dichtung	Silicone

Rosenberger connectors generally fulfill the indicated technical data. Individual values of connectors may deviate depending upon application, design, type of cable, assembly method and workmanship. Data sheets for particular products can be downloaded on our website or can be provided on request from your Rosenberger sales partner.

Rosenberger-Steckverbinder erfüllen grundsätzlich die hier angegebenen technischen Daten. Je nach Anwendung, Bauart, Kabeltyp, Montageart und -ausführung können einzelne Werte der Steckverbinder hiervon abweichen. Datenblätter zu einzelnen Produkten können Sie von unserer Website herunterladen oder auf Anfrage von Ihrem Rosenberger-Ansprechpartner erhalten.