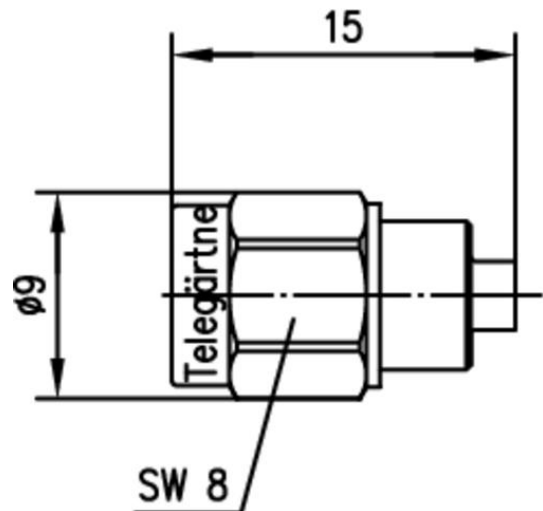
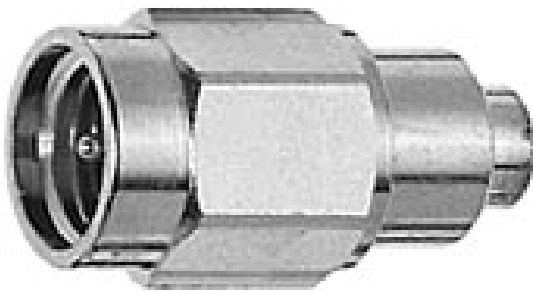


order number: J01152R0011

## R-SMA termination Loads



Technical Attributes	
Z	50 $\Omega$
Remarks	m
Finish	Gold
Max. Frequency	6 GHz
Max. Power	1 W
Return Loss	23 dB / 6 GHz

## Product description

The term “reverse-polarised connectors” is used where, for example, a standard cable plug has a female centre contact, instead of a male centre contact. Reverse-polarised connectors are mainly used in WLAN applications and are available in three different series: R-SMA connectors are supplied with a threaded coupling, are vibration resistant and can be used up to frequencies of over 6 GHz (depending on type). The impedance is controlled at 50  $\Omega$ .

R-TNC connectors are supplied with a threaded coupling, are vibration resistant and can be used up to frequencies of over 6 GHz. The impedance is controlled at 50  $\Omega$ .

R-BNC connectors are supplied with a bayonet coupling. Connector designs are available with crimp cable termination. Mating face sealing for series R-SMA and R-TNC between plug and jack (mated) meet IP 68 requirements; series R-BNC meets IP 54 requirements.

Mechanical Characteristics	
Durability (mating cycles)	≥ 500
Recommended coupling torque	R-SMA: 79 - 113 Ncm; R-TNC: 46 - 69 Ncm
Material: spring contacts	R-SMA: CuBe <sub>2</sub> ; R-TNC/R-BNC: CuBe <sub>2</sub> , CuNi1Pb1P(C97)
Material: solid contact parts	CuZn39Pb3
Material: crimp ferrule	Cu / CuZn39Pb3
Material: serrated lock washer	CuSn6
Material: insulators	PTFE PTFE
Material: gaskets	Silicone Silicone
Material: outer conductor	CuZn39Pb3
Material: other metal parts	CuZn39Pb3
Finish: Inner conductor	R-SMA: Cu1Ni2Au1.27; R-TNC / R-BNC: Cu1Ni2Au0.8
Finish: Outer conductor	R-SMA: NiPAu; R-TNC / R-BNC: Cu2Ni5
Finish: Other metal parts	R-SMA: Cu1Ni2Au0.2; R-TNC / R-BNC: Cu2Ni5

Climatic Characteristics	
Climatic category acc. to IEC 60068 - 1	R-SMA: 55/155/56
Types with PTFE insulator	R-TNC / R-BNC: 40/155/21

Electrical Characteristics	
Impedance	50 Ω
Working voltage	R-SMA: ≤ 335 V/50 Hz; R-TNC / R-BNC: ≤ 500 V <sub>eff</sub> /50 Hz
Contact resistance inner conductor	R-SMA: ≤ 3 mΩ; R-TNC: ≤ 10 mΩ; R-BNC: ≤ 20 mΩ
Contact resistance outer conductor	R-SMA: ≤ 2 mΩ; R-TNC: ≤ 2.5 mΩ; R-BNC: ≤ 5 mΩ
Insulation resistance	≥ 5 GΩ
Frequency range up to	R-BNC: 4 GHz; R-SMA: 6 GHz; R-TNC: 6 GHz