RF adaptor, N female (Jack) to N female (Jack), straight type.

General Specifications

Connector-1 Interface	N female (N Jack)
Connector-2 Interface	N female (N Jack)
Direction	Straight
Mechanical Standard	IEC 61169-16

Electrical Specifications

Impedance	50 ohms
Frequency	DC - 6GHz
Return Loss	≤-26 dB@DC-3GHz
	≤-23 dB@3-4GHz
	≤-21 dB@4-6GHz
Insertion Loss	≤0.05 dB
Insulation Resistance	10 GΩ
Center Contact Resistance	≤0.4 MΩ for 7/16 DIN type
	≤1.0 MΩ for N type
	≤0.8 MΩ for 4.3-10 type
Outer Contact Resistance	≤0.2 MΩ for 7/16 DIN type
	≤0.4 MΩ for N type
	≤0.3 MΩ for 4.3-10 type
Working Voltage	500 V
Power Handling	1800 W@1GHz
Intermodulation, 900MHz	-161dBc@2×43dBm Typical
	-155dBc@2×43dBm Maximum

Parts Material

Inner Conductor	Brass
Inner Conductor Socket	Tin bronze

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PAGE **1** / **2**
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Insulator	PTFE/TPX
Body & Outer Conductor	Brass
Gasket	Silicon rubber
Nut	Brass

Surface Plating Treatment

Inner Conductor	Silver Ag3 plated
Inner Conductor Socket	Silver Ag3 plated
Body & Outer Conductor	Tri-metal CuSnZn3 plated
Nut	Nickel Ni3 plated

Mechanical Specifications

Mating Cycles	≥500 times
Coupling Nut Retention	≥1000 N
Coupling Torque (Recommended)	≥25 to 30 Nm
Proof Torque	≤35 Nm
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition D
Vibration Test Method	MIL-STD-202, Method 204, Test Condition A

Environmental Specifications

Installation Temperature	-20 °C to +55 °C
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-45 °C to +85 °C
Relative Humidity	5% - 95%
IP Rating	Mated IP68, 1m, 1.5hrs, 20 deg-C

Regulatory Compliances

ISO 9001:2015	Compliant
ROHS	Compliant
China RoHS	Compliant
UK RoHS	Compliant
REACH	Compliant
EU/CE	Compliant

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PAGE **2** / **2**

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