



RF adaptor, 7/16 DIN female (Jack) to N male (Plug), straight type.

## General Specifications

Connector-1 Interface	7/16 DIN female (7/16 DIN Jack)
Connector-2 Interface	N male (N Plug)
Direction	Straight
Mechanical Standard	IEC 61169-16

## Electrical Specifications

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

## Parts Material

Inner Conductor	Brass
Inner Conductor Socket	Tin bronze

## AD2-DF-NM-S-D01

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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