

PR-RC3TB-NF-C03

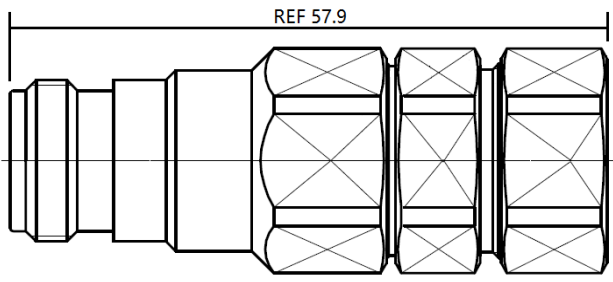
N female connector for 1/2" flexible cable

PROSE

Part number

PR-RC3TB-NF-C03	N female connector for 1/2" flexible cable
	According to IEC61169-16

Part list

NO.	Description	Material	Plating	Photo for reference
1	Inner conductor	Bronze	Ag	
2	Insulator	PTFE		
3	Body	Brass	Tri-alloy	
4	Nut	Brass	Nickel	
5	Washer	Brass	Nickel	
6	Gasket	Silicone rubber		

Document

Document	MA_RC3TB-1/2 installation instruction
----------	---------------------------------------

Electrical data

Characteristics impedance	50Ω
Frequency	DC to 6GHz
Insulation resistance	≥5000MΩ
Center contact resistance	1.0mΩ
Outer contact resistance	0.25mΩ
Dielectric withstanding voltage	2500V rms
Operating voltage	1000V rms
Insertion loss	$0.05 \cdot \sqrt{F} \text{ GHz dB}$
Return loss	≤-30dB @ DC-1.0GHz
	≤-28dB @ 1.0-2.2GHz
	≤-26dB @ 2.2-2.7GHz
	≤-24dB @ 2.7-3.8GHz
	≤-22dB @ 3.8-6.0GHz
DTF	≤-35dB @DC-1.0GHz
	≤-32dB @1.0-2.7GHz
	≤-28dB @2.7-3.8GHz
	≤-26dB @3.8-6.0GHz

Intermodulation (3 rd Order)	≤-160dBc, 2x43dBm
---	-------------------

Mechanical data

Interface	N female
Suitable cable	1/2" flexible cable
Mating cycles	≥500 times
Coupling nut retention	≥450N
Connector torque proof recommend	0.7 to 1.3 N.m
Center contact captivation, axial	≥28N
radial	≥3 Ncm

Environment

Working temperature	-45°C to +85°C
Installation Temperature	-40°C to +50°C
Anti-UV	IEC 60068-2-5
Salt spray test Standard	48hr (IEC 60068-2-11)
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition D
Vibration Test Method	MIL-STD-202, Meth. 204, Cond. A
IP protection	IP68, 24h @1m, 20°C
RoHS	Compliant

Notice

- 1, The connection should be covered with addition weatherproof kits for long time duration.
- 2, Connection molding shape may be changed during the product life-time due to the manufacture skill upgrade.

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.