

PR-RCP1-NM-C06L

N male connector for 1 1/4" low loss coaxial cable

PROSE

- 50 Ω impedance
- N male interface
- Frequency 12 GHz
- Field installation
- High performance at RF return-loss and PIM
- Heavy duty, sturdy and durable

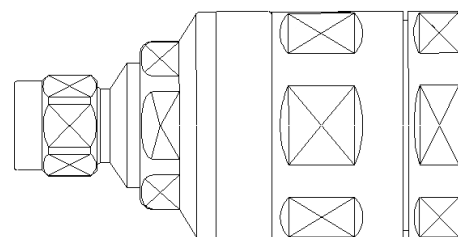


Photo for reference

Part number

PR-RCP1-NM-C06L	N male connector for 1 1/4" low loss coaxial cable
	According to IEC61169-16

Part list

No.	Description	Material	Plating
1	Inner conductor	Brass	Ag
2	Outer conductor & Body	Brass	Tri-alloy
3	Nut	Brass	Ni
4	Insulation	TPX	
5	O-ring	Silicone rubber	

Document

Document	MA_RCP1-1 1/4 installation instruction
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Electrical data

Characteristics impedance	50 Ω
Insulation resistance	$\geq 5000M\Omega$
Center contact resistance	1m Ω
Outer contact resistance	0.25m Ω
Dielectric withstanding voltage	2500V rms
Operating voltage	1400V rms
Insertion loss	0.05* $\sqrt{F}$ GHz dB
Return loss	≤ -30 dB @ DC-1.0GHz
	≤ -28 dB @ 1.0-2.2GHz
	≤ -26 dB @ 2.2-2.7GHz
	≤ -24 dB @ 2.7-3.8GHz

DTF	≤ -35 dB @DC-1.0GHz
	≤ -30 dB @1.0-2.7GHz
	≤ -28 dB @2.7-3.8GHz
Intermodulation (3 rd Order), 2x43dBm	≤ -160 dBc

Mechanical data

Interface	N male
Suitable cable	1 1/4" series, PLC50E-114/ SL 114R L PE/ AVA6-50/ LCF 114 and similar
Mating cycles	≥ 500 times
Coupling nut retention	≥ 450 N
Connector torque proof recommend	0.7 to 1.3N.m

Environment

Working temperature	-45°C to +85°C
Weather standard	IEC 60068 40/085/21
Thermal shock	IEC 60068 2-14-Na
Vibration	IEC 60068-2-6-Fc
Shock	IEC 60068 2-27
IP protection	IP68, mated pair
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.

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