

# PR-RC2-NM-C05

N male connector for 7/8" coaxial cable

**PROSE**

- 50Ω impedance
- N male interface
- Field installation
- Working frequency up to 4GHz
- Good return loss and intermodulation performance

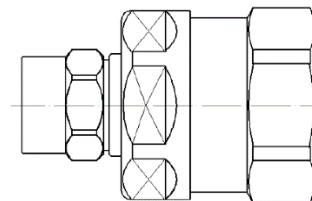


Photo for reference

## Part number

|               |                                         |
|---------------|-----------------------------------------|
| PR-RC2-NM-C05 | N male connector for 7/8" coaxial cable |
|               | According to IEC61169-16                |

## Electrical data

|                                         |                           |
|-----------------------------------------|---------------------------|
| Characteristics impedance               | 50Ω                       |
| Frequency                               | DC to 4GHz                |
| Insulation resistance                   | ≥5GΩ                      |
| Center contact resistance               | 1mΩ                       |
| Outer contact resistance                | 0.25mΩ                    |
| Dielectric withstanding voltage         | 2500V rms                 |
| Operating voltage                       | 1400V rms                 |
| Insertion loss                          | 0.05*√F GHz dB            |
| Return loss                             | ≤-30dB @ DC-1.0GHz        |
|                                         | ≤-28dB @ 1.0-2.2GHz       |
|                                         | ≤-26dB @ 2.2-2.7GHz       |
|                                         | ≤-24dB @ 2.7-3.8GHz       |
| Intermodulation (3 <sup>rd</sup> Order) | ≤-160dBc @900MHz, 2x43dBm |

## Mechanical data

|                                  |                    |
|----------------------------------|--------------------|
| Interface                        | N male             |
| Suitable cable                   | 7/8" coaxial cable |
| Mating cycles                    | ≥500 times         |
| Coupling nut retention           | ≥450N              |
| Connector torque proof recommend | 0.7 to 1.3N.m      |

**Environment**

|                     |                  |
|---------------------|------------------|
| Working temperature | -45°C to +85°C   |
| 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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