

# 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

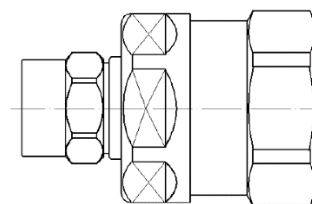


Photo for reference

## 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 contract resistance              | 1mΩ                                  |
| Outer contract resistance               | 0.25mΩ                               |
| Dielectric withstanding voltage         | 2500V rms                            |
| Operating voltage                       | 1400V 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                  |
| 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.

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.