

**NMR-LCF14-D01**

N Male Right Angle Connector for 1/4" Coaxial Cable, OMNI FIT™ Premium,  
O-Ring and compression sealing

Radio Frequency Systems line of high performance coaxial cable connectors are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up the attachment of connectors to CELLFLEX® coaxial cables.

All RFS Technologies connectors are fully tested for mechanical and electrical compliance to industry specifications.

The N connector meets all technical requirements and covers high frequencies as well as legacy applications. Sealing against outer conductor and jacket by means of O-Ring and 360° compression fit. Multifunctional, self-lubricating HighTech polymer assembly locks on cable corrugation, avoids electrochemical potential differences and compression-fits to the jacket.;

**FEATURES / BENEFITS**

- Ultra high PIM performance i.e. reduced interference leading to high customer satisfaction
- Two-piece design i.e. visual inspection of interlocking leads to improved installation security
- OMNI FIT™ concept i.e. streamlined order management and reduced stock level
- Watertight sealing in mated and unmated condition, i.e. reduced efforts during installation and improved security during operation
- Unique NiTin plating i.e. extreme resistance against corrosion even under hardest climatic and environmental circumstances
- Multi-thread (Tristart) design i.e. simplified and accelerated tightening process
- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis



OMNI FIT™ Premium Connectors

**Technical features****GENERAL SPECIFICATIONS**

|                        |  |                                                   |
|------------------------|--|---------------------------------------------------|
| Transmission Line Type |  | Coaxial Cable                                     |
| Cable Size             |  | 1/4                                               |
| Cable Type             |  | Foam Dielectric                                   |
| Model Series           |  | LCF12-50 Series, ICA12-50 Series, RCF12-50 Series |
| Connector Interface    |  | N                                                 |
| Connector Type         |  | OMNI FIT™ PREMIUM Right Angle                     |
| Sealing Method         |  | O-Ring                                            |
| Gender                 |  | Male                                              |

**ELECTRICAL SPECIFICATIONS**

|                                   |           |                                                                                                                                                |
|-----------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Nominal Impedance, ohms           | Ohm       | 50                                                                                                                                             |
| 3rd Order IM Product @ 2x20 Watts | dBc       | -156 ; typical -162                                                                                                                            |
| Maximum Frequency                 | GHz       | 3.7                                                                                                                                            |
| VSWR, Return Loss                 | VSWR (dB) | 0 &lt; f ≤ 1.0 GHz: 1.04 (34.1)<br>1.0 &lt; f ≤ 2.0 GHz: 1.06 (30.7)<br>2.0 &lt; f ≤ 2.7 GHz: 1.08 (28.3)<br>2.7 &lt; f ≤ 3.7 GHz: 1.10 (26.4) |



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MECHANICAL SPECIFICATIONS

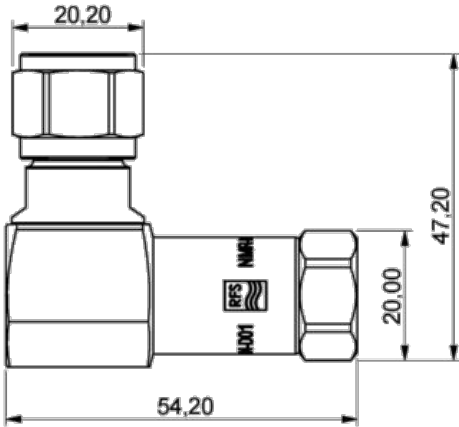
|                          |         |               |
|--------------------------|---------|---------------|
| Plating Outer/Inner      |         | NiTin/Silver  |
| Length                   | mm (in) | 54 (2.13)     |
| Outer Diameter           | mm (in) | 47.2 (1.86)   |
| Inner Contact Attachment |         | Spring Finger |
| Outer Contact Attachment |         | 360° clamping |

ACCESSORIES

|                   |         |           |
|-------------------|---------|-----------|
| Wrench size front | mm (in) | 22 (7/8)  |
| Wrench size rear  | mm (in) | 18 (7/10) |

TESTING AND ENVIRONMENTAL

|                  |  |      |
|------------------|--|------|
| Waterproof Level |  | IP68 |
|------------------|--|------|



[External Document Links](#)  
[Installation Instruction](#)

[Notes](#)