

**NF-LCF14-D01**

N Female Connector for 1/4" Coaxial Cable, OMNI FIT™ Premium,  
Straight, 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           |  | LCF14-50 Series            |
| Connector Interface    |  | N                          |
| Connector Type         |  | OMNI FIT™ PREMIUM Straight |
| Sealing Method         |  | O-Ring                     |
| Gender                 |  | Female                     |

**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: 1.02 (40)<br>1.0 &lt; f ≤ 2.7 GHz: 1.04 (34.2)<br>2.7 &lt; f ≤ 3.7 GHz: 1.08 (28.3) |

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**MECHANICAL SPECIFICATIONS**

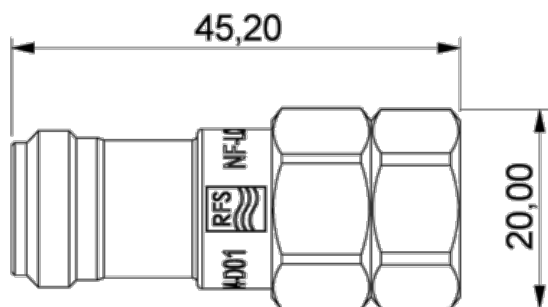
|                          |         |               |
|--------------------------|---------|---------------|
| Plating Outer/Inner      |         | NiTin/Silver  |
| Length                   | mm (in) | 45.2 (1.78)   |
| Outer Diameter           | mm (in) | 20 (0.79)     |
| Inner Contact Attachment |         | Spring Finger |
| Outer Contact Attachment |         | 360° clamping |

**ACCESSORIES**

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

**TESTING AND ENVIRONMENTAL**

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



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

[Notes](#)