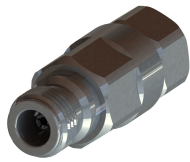




NF-LCF14-E01

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 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.;

Feature / 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

Technical features

GENERAL SPECIFICATIONS

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

TESTING AND ENVIRONMENTAL

Waterproof Level	IP68
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MECHANICAL SPECIFICATIONS

Plating Outer/Inner	Tri metal alloy/Silver
Length	56mm (2.205in)
Outer Diameter	22mm (0.866in)
Inner Contact Attachment	Spring Finger
Outer Contact Attachment	360° clamping

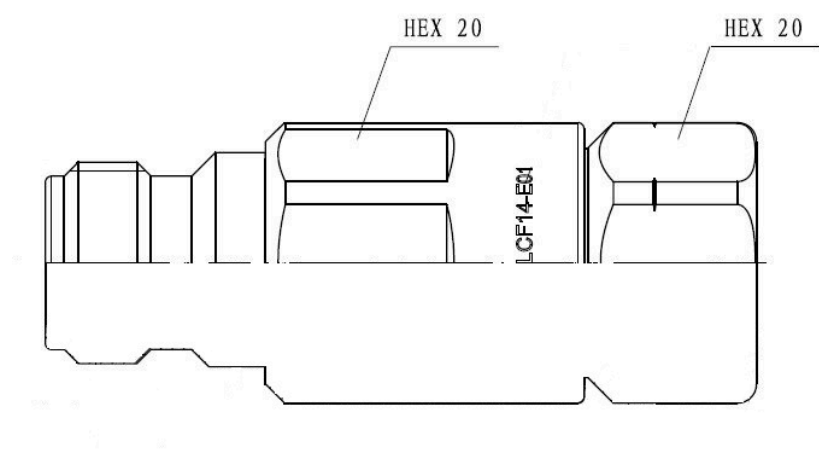


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ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 ohms	
3rd Order IM Product @ 2x20 Watts	-156 ; typical -162	
Maximum Frequency	6 GHz	
Frequency Range	VSWR value	Return Loss value
0 < f ≤ 1.0 GHz	1.02	40
1.0 < f ≤ 2.2 GHz	1.04	34
2.2 < f ≤ 2.7 GHz	1.04	34
2.7 < f ≤ 3.8 GHz	1.08	28
3.8 < f ≤ 5.0 GHz	1.17	22
5.0 < f ≤ 6.0 GHz	1.22	20



External Document Links

Notes