

PRODUCT DATASHEET

NMR-LCF14-E01

N Male Right Angle 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.;

OMNI FIT™ Premium Connectors

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

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 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	6
VSWR, Return Loss	VSWR (dB)	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)

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MECHANICAL SPECIFICATIONS Plating Outer/Inner Tri metal alloy/Silver Length 58.9 (2.319) mm (in) **Outer Diameter** 22 (0.866) mm (in) **Inner Contact Attachment** Spring Finger **Outer Contact Attachment** 360° clamping **ACCESSORIES** Wrench size front 22 mm (in) Wrench size rear 20 mm (in) **TESTING AND ENVIRONMENTAL Waterproof Level** IP68 (58.9) HEX 22 HEX 20 **External Document Links** Notes Installation Instruction

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