

PRODUCT DATASHEET

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 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

External Document Links Installation Instruction

Notes

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 < $f \le 1.0$ GHz: 1.04 (34.1) 1.0 < $f \le 2.0$ GHz: 1.06 (30.7) 2.0 < $f \le 2.7$ GHz: 1.08 (28.3) 2.7 < $f \le 3.7$ GHz: 1.10 (26.4)

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OMNI FIT™ Premium Connectors

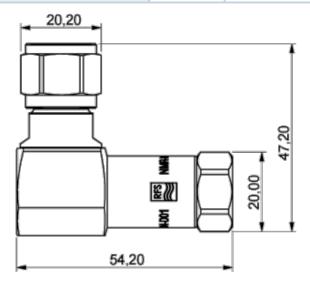


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Plating Outer/Inner		NiTin/Silver	
Length	mm (in)	54 (2.13)	
Outer Diameter	mm (in)	47.2 (1.86)	
Inner Contact Attachment		Spring Finger	
Outer Contact Attachment		360° clamping	
ACCESSORIES			
Wrench size front	mm (in)	22 (7/8)	
Wrench size rear	mm (in)	18 (7/10)	
TESTING AND ENVIRONMENTAL			
Waterproof Level		IP68	



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