

N Male Connector for 1-1/4" Coaxial Cable, OMNI FIT™ Premium,

Straight, O-Ring and compression sealing

electrochemical potential differences and compression-fits to the jacket.

C (1810)

OMNI FIT[™] Premium Connectors

• Ultra high PIM performance i.e. reduced interference leading to high customer satisfaction

OMNI FIT[™] high performance connectors are designed for use with both CELLFLEX® (copper) and CELLFLEX® Lite (aluminium) cables. They are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up connector attachment. 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

- Two-piece design i.e. visual inspection of interlocking leads to improved installation security
- OMNI $\mathsf{FIT}^{\mathsf{m}}$ 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	Notes	
Installation Instruction		

Technical features

FEATURES / BENEFITS

GENERAL SPECIFICATIONS

Transmission Line Type	Coaxial Cable			
Cable Size		1-1/4		
Cable Type		Foam Dielectric		
Model Series		UCF114-50 Series, LCFS114-50 Series, RCF114-50 Series		
Connector Interface	N			
Connector Type	OMNI FIT™ PREMIUM Straight			
Sealing Method	O-Ring + 360° Compression			
Gender	Male			
ELECTRICAL SPECIFICATIONS				
Nominal Impedance, ohms	Ohm	50		
3rd Order IM Product @ 2x20 Watts	dBc	-156 ; typical -162		
Maximum Frequency	GHz	3.6		
VSWR, Return Loss		0 < f ≤ 1.0 GHz: 1.02 (40)		
		1.0 < f ≤ 2.2 GHz: 1.04 (34.1)		
	VSWR (dB)	2.2 < f ≤ 2.7 GHz: 1.06 (30.7)		
		2.7 < f ≤ 3.6 GHz: 1.08 (28.3)		

NM-LCF114-D01

REV DATE : 01 Aug 2016

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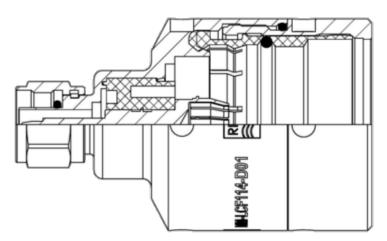


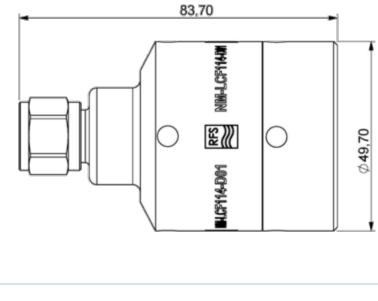
PRODUCT DATASHEET NM-LCF114-D01

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MECHANICAL SPECIFICATIONS					
Plating Outer/Inner		NiTin/Silver			
Length	mm (in)	83.65 (3.29)			
Outer Diameter	mm (in)	49.5 (1.95)			
Inner Contact Attachment		Spring Finger			
Outer Contact Attachment		360° clamping			
ACCESSORIES					
Poly Hook Spanner	mm (in)	PHS 60-90-5 Ø 60-90 (2.3-3.5) Pin 5 (0.2)			
Trimming Tool		TRIM-SET-L114-D01 TRIM-LCF114-D01-A			
TESTING AND ENVIRONMENTAL					
Waterproof Level		IP68			
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NM-LCF114-D01

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