

N Male Connector for 7/8" Coaxial Cable, OMNI FIT™ Premium, Straight, O-Ring and 360° compression sealing

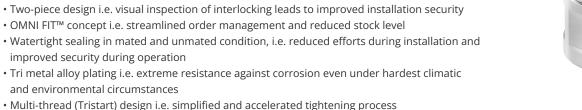
OMNI FIT™ high performance connectors are designed for use with both CELLFLEX® (copper) and CELLFLEX® Lite (aluminium) cables. They are designed specifically to provide the highest quality connector-cable interface while simplifying and speeding up connector attachment. All RFS connectors are fully tested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

FEATURES / BENEFITS

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

- RoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis



Technical features

GENERAL SPECIFICATION	

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Transmission Line Type	Coaxial Cable
Cable Size	7/8
Cable Type	Foam Dielectric Superflexible
Model Series	LCF78-50 Series
Connector Interface	N
Connector Type	OMNI FIT™ PREMIUM Straight
Sealing Method	sealing rubber
Gender	Male

ELECTRICAL SPECIFICATIONS

Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-158 ; typical -162
Maximum Frequency	GHz	6
VSWR, Return Loss	VSWR (dB)	$0 < f \le 1.0 \text{ GHz: } 1.02 \text{ (40)}$ $1.0 < f \le 2.2 \text{ GHz: } 1.03 \text{ (37)}$ $2.2 < f \le 2.7 \text{ GHz: } 1.03 \text{ (36)}$ $2.7 < f \le 3.8 \text{ GHz: } 1.07 \text{ (30)}$ $3.8 < f \le 5.0 \text{ GHz: } 1.11 \text{ (26)}$ $5.0 < f \le 6.0 \text{ GHz: } 1.15 \text{ (23)}$

MECHANICAL SPECIFICATIONS

Plating Outer/Inner		Tri metal alloy / Silver
Length	mm (in)	77.6 (3.06)
Outer Diameter	mm (in)	37 (1.46)
Inner Contact Attachment		Spring Finger
Outer Contact Attachment		360° clamping

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Wrench size front mm (in) 34 Wrench size rear mm (in) 34 Trimming Tool TRIM-SET-L78-D01, TRIM-LCF78-D01-A TESTING AND ENVIRONMENTAL Waterproof Level IP68 External Document Links Notes	ACCESSORIES			
Trimming Tool TRIM-SET-L78-D01, TRIM-LCF78-D01-A TESTING AND ENVIRONMENTAL Waterproof Level IP68 External Document Links Notes	Wrench size front	mm (in)	34	
Waterproof Level IP68 External Document Links Notes	Wrench size rear	mm (in)	34	
Waterproof Level IP68 External Document Links Notes	Trimming Tool		TRIM-SET-L78-D01, TRIM-LCF78-D01-A	
external Document Links Notes	TESTING AND ENVIRONMENT	ſ AL		
	Waterproof Level		IP68	
	External Document Links Installation Instruction		Notes	

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