

7-16 DIN Male Connector for 7/8" Coaxial Cable, OMNI FIT™ Premium, Right Angle, O-Ring and compression sealing

### Product Description

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.;



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 Specifications

Transmission Line Type	Coaxial Cable
Cable Size	7/8"
Cable Type	Foam Dielectric
Model Series	UCF78-50A-Series, LCF78-50A-Series, UCF78-50L-Series, LCF78-50L-Series
Connector Interface	7-16 DIN
Nominal Impedance, ohms	50
Connector Type	OMNI FIT™ PREMIUM Right Angle
Sealing Method	O-Ring + 360° Compression
Gender	Male
Plating Outer/Inner	NiTin/Silver
Length, mm (in)	82.85 (3.26)
Outer Diameter, mm (in)	52.4 (2.06)
Weight, kg (lb)	0.33 (0.73)
Inner Contact Attachment	Spring Finger
Outer Contact Attachment	360° clamping
3rd Order IM Product @ 2x20 Watts, dBc	-163 ; typical -167
Maximum Frequency, GHz	3.7
VSWR (Return Loss, dB)	0 < f = 1.0 GHz: 1.02 (40.1) 1.0 < f = 2.7 GHz: 1.04 (34.2) 2.7 < f = 3.7 GHz: 1.08 (28.3)
Wrench size front, mm (in)	36 (1-7/16)
Wrench size rear, mm (in)	36 (1-7/16)
Trimming Tool	TRIM-78-L TRIM-SET-L78-D01 TRIM-LCF78-D01-A
Waterproof Level	IP68

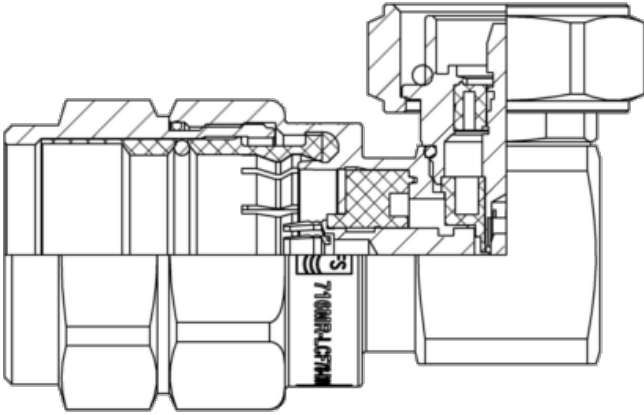
### Notes

### Other Documentation

Installation Instruction: [2800131-A\\_Inst\\_Con\\_LCF-UCF-L78-D01.pdf](#)



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All information contained in the present datasheet is subject to confirmation at time of ordering