7-16 DIN Male Connector for 7/8" Coaxial Cable, OMNI FIT™ Premium, Right Angle, 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



OMNI FIT™ Premium Connectors

Technical features

GENERAL SPECIFICATIONS

Transmission Line Type	Coaxial Cable
Cable Size	7/8
Cable Type	Foam Dielectric
Model Series	LCF78-50 Series, RCF78-50 Series
Connector Interface	7-16 DIN
Connector Type	OMNI FIT™ PREMIUM Right Angle
Sealing Method	O-Ring + 360° Compression
Gender	Male

ELECTRICAL SPECIFICATIONS

Nominal Impedance, ohms	Ohm	50
3rd Order IM Product @ 2x20 Watts	dBc	-163 ; typical -167
Maximum Frequency	GHz	3.7
VSWR, Return Loss	VSWR (dB)	$0 < f \le 1.0 \text{ GHz: } 1.02 \text{ (40.1)}$ $1.0 < f \le 2.7 \text{ GHz: } 1.04 \text{ (34.2)}$ $2.7 < f \le 3.7 \text{ GHz: } 1.08 \text{ (28.3)}$

MECHANICAL SPECIFICATIONS

Plating Outer/Inner		NiTin/Silver
Length	mm (in)	82.85 (3.26)
Outer Diameter	mm (in)	52.4 (2.06)
Inner Contact Attachment		Spring Finger
Outer Contact Attachment		360° clamping

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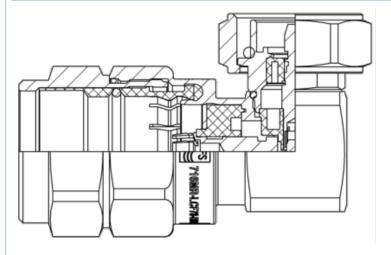


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Wrench size front mm (in) 36 (1-7/16) Wrench size rear mm (in) 36 (1-7/16) Trimming Tool TRIM-78-L TRIM-SET-L78-D01 TRIM-LCF78-D01-A

TESTING AND ENVIRONMENTAL

Waterproof Level IP68



External Document Links

Installation Instruction

Notes

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