RFS

7-16 DIN Male Connector for 1-15/8" Coaxial Cable, OMNI FIT™ Premium, Straight, O-Ring and 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 connectorcable interface while simplifying and speeding up connector attachment. All RFS connectors are fully tested for mechanical and electrical compliance to industry specifications. The 7-16 connector is the most rugged RF connection meeting all requirements even under the most severe environmental conditions. 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

- O Ultra high PIM performance i.e. reduced interference leading to high customer satisfaction
- How 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
- Ounique 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
- BoHS (EU) and CRoHS (China) compliant i.e. can be used on a global basis

Technical Features

GENERAL SPECIFICATIONS			
Transmission Line Type		Coaxial Cable	
Cable Size		1-5/8"	
Cable Type		Foam Dielectric	
Model Series		LCF158-50A-Series	
Connector Interface		7-16 DIN	
Connector Type		OMNI FIT™ PREMIUM Straight	
Sealing Method		O-Ring + 360° Compression	
Gender		Male	
ELECTRICAL SPECIFICATIONS			
Nominal Impedance	Ohm	50	
3rd Order IM Product @ 2x20 Watts	dBc	-163 ; typical -167	
Maximum Frequency	GHz	2.75	
VSWR, Return Loss	VSWR (dB)	0 < f ≤ 1.0 GHz: 1.020 (40.0) 1.0 < f ≤ 2.2 GHz: 1.030 (36.6) 2.2 < f ≤ 2.75 GHz: 1.060 (30.7)	
MECHANICAL SPECIFICATIONS			
Plating Outer/Inner		NiTin/Silver	
Length	mm (in)	83.25 (3.28)	
Outer Diameter	mm (in)	60 (2.36)	
Weight	kg (lb)	0.48 (1.06)	
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-LCF158-D01-A	
TESTING AND ENVIRONMENTAL			
Waterproof Level		IP68	

REV DATE: 10.Jan.2014

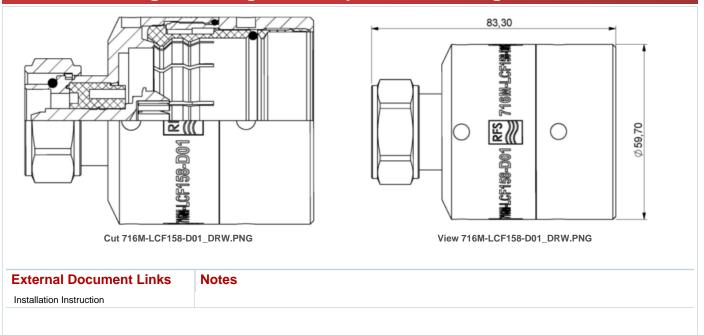
All information contained in the present datasheet is subject to confirmation at time of ordering







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