

**NF-LCF158-C02**

N Female Connector for 1-5/8" Coaxial Cable, OMNI FIT standard, O-ring sealing



OMNI FIT™ high performance connectors are designed for use with both CELLFLEX® (copper) and CELLFLEX® Lite (aluminum) 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 is one of the most common RF connector types and meets all requirements even under the most severe environmental conditions.

Feature / Benefits

- Cost effective two-piece design for safe and easy installation
- Compatible with copper and aluminium cable types i.e. one connector for both outer conductor materials eliminates the risk of faulty connector installation and helps to keep inventory down
- Robust mechanical design for low and consistent intermodulation performance i.e. keeps the mobile network performance up, reduces the number of dropped calls and avoids revenue losses
- Standard electrical performance for consistent and repeatable VSWR i.e. ensure network system performance
- Waterproof to IP 68 i.e. no downtime risk, secures revenue
- RoHS (EU) compliant i.e. can be used on a global basis

Technical features**GENERAL SPECIFICATIONS**

Cable Size	1-5/8	
Cable Type	Foam Dielectric, Radiating	
Model Series	LCF158-50 Series	RCF158-50 Series
Connector Interface	N	
Connector Type	OMNI FIT™ Standard	
Sealing Method	O-ring	

TESTING AND ENVIRONMENTAL

Waterproof Level	IP68
------------------	------

MECHANICAL SPECIFICATIONS

Plating Outer/Inner	Trimetal/Silver
Length	70.1mm (2.76in)
Outer Diameter	63mm (2.48in)
Inner Contact Attachment	Spring Finger
Outer Contact Attachment	Spring C-Ring

ELECTRICAL SPECIFICATIONS

Nominal Impedance	50 ohms	
3rd Order IM Product @ 2x20 Watts	-159 typical	
Maximum Frequency	2.75 GHz	
Frequency Range	VSWR value	Return Loss value
0 < f ≤ 1.0 GHz	1.03	36.3
1.0 < f ≤ 2.2 GHz	1.04	34.1
2.2 < f ≤ 2.75 GHz	1.065	30

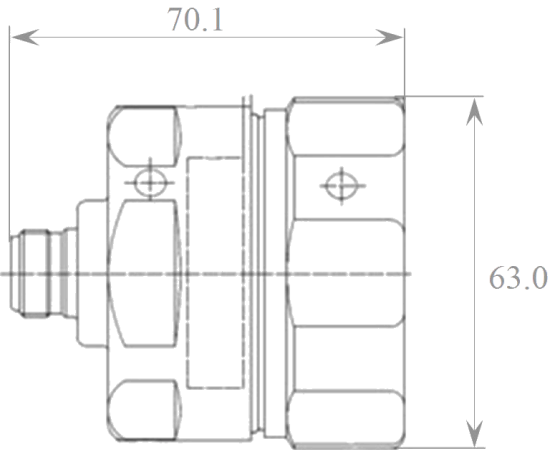


NF-LCF158-C02

N Female Connector for 1-5/8" Coaxial Cable, OMNI FIT standard, O-ring sealing

ACCESSORIES

Trimming Tool	TRIM-SET-L158-C02
---------------	-------------------



External Document Links

Notes