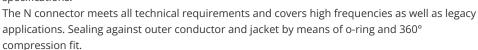


N Male Connector for 7/8" Coaxial Cable, OMNI FIT™ Premium, Straight, O-Ring and 360° compression sealing

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.



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
- Tri metal alloy 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 features

| | | | | | | | IC. | | | | |
|--|--|--|--|--|--|--|-----|--|--|--|--|
| | | | | | | | | | | | |
| | | | | | | | | | | | |

| CENTENTE OF ECTIVENIONS | | | | | |
|-------------------------|-------------------------------|--|--|--|--|
| 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 6.0 | | | | | |
| VSWR, Return Loss | VSWR (dB) | 0 < $f \le 1.0$ GHz: 1.02 (40) 1.0 < $f \le 2.2$ GHz: 1.03 (37) 2.2 < $f \le 2.7$ GHz: 1.03 (36) 2.7 < $f \le 3.8$ GHz: 1.07 (30) 3.8 < $f \le 5.0$ GHz: 1.11 (26) 5.0 < $f \le 6.0$ GHz: 1.15 (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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| ACCESSORIES | | | |
|---|---------|------------------|--|
| Wrench size front | mm (in) | 34 | |
| Wrench size rear | mm (in) | 34 | |
| rimming Tool | | TRIM-LCF78-D01-A | |
| ESTING AND ENVIRONMENTAL | | | |
| Vaterproof Level | | IP68 | |
| External Document Links Installation Instruction | | Notes | |
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