

N Male Connector for 7/8" 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.

FEATURES / 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
- ➔ Superior 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) and CRoHS (China) compliant i.e. can be used on a global basis



NM-LCF78-C03

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 | | N |
| Connector Type | | OMNI FIT™ Standard |
| Sealing Method | | O-ring |
| Gender | | Male |

ELECTRICAL SPECIFICATIONS

| | | |
|-----------------------------------|-----------|---|
| Nominal Impedance | Ohm | 50 |
| 3rd Order IM Product @ 2x20 Watts | dBc | -157 ; typical -160 |
| Maximum Frequency | GHz | 6.0 |
| VSWR, Return Loss | VSWR (dB) | $0 < f \leq 1.0$ GHz: 1.03 (36.6) $1.0 < f \leq 2.7$ GHz: 1.04 (34.1) $2.7 < f \leq 3.7$ GHz: 1.08 (28.3) $3.7 < f \leq 5.0$ GHz: 1.15 (23.1) $5.0 < f \leq 6.0$ GHz: 1.25 (19.1) |

MECHANICAL SPECIFICATIONS

| | | |
|--------------------------|---------|-----------------|
| Plating Outer/Inner | | Trimetal/Silver |
| Length | mm (in) | 62.7 (2.47) |
| Outer Diameter | mm (in) | 35.5 (1.4) |
| Weight | kg (lb) | 0.147 (0.324) |
| Inner Contact Attachment | | Spring Finger |
| Outer Contact Attachment | | Spring C-Ring |

ACCESSORIES

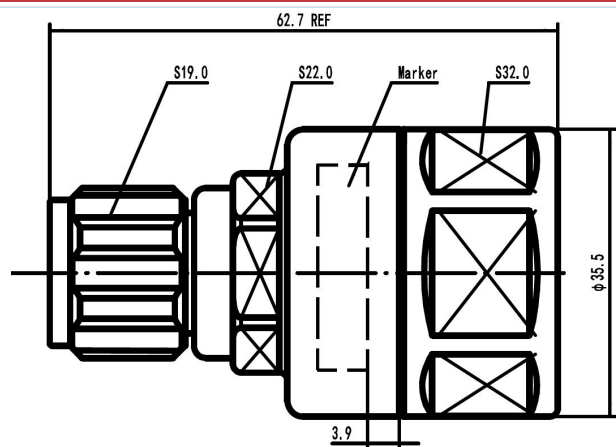
| | | |
|-------------------|---------|------------------|
| Wrench size front | mm (in) | 22 (0.87) |
| Wrench size rear | mm (in) | 32 (1.26) |
| Trimming Tool | | TRIM-SET-L78-C02 |

TESTING AND ENVIRONMENTAL

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



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NM-LCF78-C03 Outline drawing

External Document Links

Installation Instruction

Notes