

TNC F RA CRIMP for LMR240 Cable

P/N: AT3T3D-6F

Product Feature:

- Connector Type : TNC
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Right Angle (90°)
- Termination Style : Crimp
- Cable : LMR240
- Application : General Purpose/Telecom etc

The **TNC Female Right Angle (RA) Crimp Connector** for **LMR240 Cables** is a low-profile RF interface designed for tight spaces. Its **90° geometry** reduces cable strain and saves enclosure depth, making it ideal for routing low-loss **LMR240 cable** parallel to panels. The threaded coupling ensures **exceptional vibration resistance**, while the precision crimp termination delivers a permanent, high-strength bond with **excellent shielding**. It is widely used in **vehicle-mounted GPS/cellular antennas, avionics bays, compact industrial IoT gateways, and crowded wireless infrastructure cabinets**.



Electrical Specifications

| Parameter | Value | Unit |
|---------------------------------|-------------|----------------------|
| Characteristic Impedance | 50 | Ω |
| Frequency Range | DC ~ 6 | GHz |
| VSWR | ≤ 1.20 | @DC-3 GHz |
| | ≤ 1.30 | @3-5 GHz |
| Insertion Loss | ≤ 0.2 | @DC-4 GHz |
| Insulation Resistance | ≥ 5000 | M Ω |
| Dielectric Withstanding Voltage | ≥ 1.5 | kVrms (at sea level) |
| Inner Conductor Resistance | ≤ 1.5 | m Ω |
| Outer Conductor Resistance | ≤ 0.2 | m Ω |
| Power Handling | 316 | W @1GHz |
| RF Leakage | ≤ -55 | dB @1GHz |



Technical Data Sheet

| Material & Plating | | |
|----------------------|-----------------|---------|
| Component | Material | Plating |
| Center Conductor | Brass | Gold |
| Outer Conductor/Body | Brass | Nickel |
| Ferrule | Brass | Nickel |
| Dielectric | Teflon/PTFE | - |
| Gasket | Silicone rubber | - |

| Mechanical & Environmental Specifications | | |
|---|--------------|------|
| Parameter | Value | Unit |
| Durability (Matings) | ≥ 500 min. | - |
| Fastening Type | 7/16-28 | - |
| Contact Captivation | ≥ 27 | N |
| Cable Retention Force | ≥ 135 | N |
| Cable Type Compatibility | LMR240 Cable | - |
| Operating Temperature | -40 ~ 85 | °C |
| Compliance | ROHS | - |