

UHF F CLAMP for RG58/RG142/LMR195/LMR200 Cable

P/N: AT3U2C-3D

Product Feature:

- Connector Type : UHF (SO-239)
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Clamp
- Cable : RG58/RG142/LMR195/LMR200
- Application : Military Communication /Telecom etc

The **UHF Female Clamp Connector** for **RG58, RG142, LMR195 and LMR200 cables** is a versatile, field-serviceable RF component designed for mid-sized coaxial lines. Its **clamp-style termination** utilizes a threaded compression nut and internal gaskets to secure the cable braid and jacket, providing a moisture-resistant, gas-tight seal **without the need for specialized crimping tools**. This connector is widely utilized in **marine VHF radios, mobile communication installations, and antenna patch panels**. Its rugged, reusable design is ideal for **on-site field repairs, amateur radio setups, and industrial signal monitoring equipment**, ensuring **consistent electrical performance** and high-voltage integrity in various environments.



Electrical Specifications

| Parameter | Value | Unit |
|---------------------------------|-------------|----------------------|
| Characteristic Impedance | 50 | Ω |
| Frequency Range | DC ~ 1 | GHz |
| VSWR | ≤ 1.10 | @DC-500 MHz |
| | ≤ 1.20 | @500-1000 MHz |
| Insertion Loss | ≤ 0.1 | @DC-500 MHz |
| Insulation Resistance | ≥ 5000 | M Ω |
| Dielectric Withstanding Voltage | ≥ 2.0 | kVrms (at sea level) |
| Inner Conductor Resistance | ≤ 5 | m Ω |
| Outer Conductor Resistance | ≤ 5 | m Ω |
| Power Handling | ≥ 500 | W @1GHz |
| Shielding Effectiveness | ≥ 60 | dB @300 MHz |



Technical Data Sheet

| Material & Plating | | |
|----------------------|----------|-----------|
| Component | Material | Plating |
| Center Conductor | Brass | Gold |
| Outer Conductor/Body | Brass | Tri-Alloy |
| Back Nut | Brass | Nickel |
| Dielectric | PTFE | - |

| Mechanical & Environmental Specifications | | |
|---|-----------------------------------|------|
| Parameter | Value | Unit |
| Durability (Matings) | ≥ 500 min. | - |
| Fastening Type | 5/8-24 Threaded | - |
| Cable Retention Force | ≥ 450 | N |
| Cable Type Compatibility | RG58/RG142/LMR195/LMR200 Cable | - |
| Operating Temperature | -40 ~ 80 | °C |
| Compliance | ROHS | - |