

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

P/N: AT3U1C-3D

Product Feature:

- Connector Type : UHF (PL-259)
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : RG58/RG142/LMR195/LMR200
- Application : Military Communication /Telecom etc

The **UHF Male Clamp Connector** for **RG58, RG142, and LMR195 and LMR200 cables** provides a robust, high-conductivity interface for mid-range coaxial lines. Its **clamp termination** ensures a secure, gas-tight mechanical bond, maintaining **signal integrity** for frequencies up to 500 MHz. This connector is widely used in **mobile radio installations, amateur radio transceivers, and WLAN antenna systems**. Its durable construction is ideal for **automotive GPS systems, marine VHF radios, and test bench interconnects** where a reliable, vibration-resistant connection is essential for **clear voice and data transmission**.



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
Fastening Nut	Brass	Nickel
Back Nut	Brass	Nickel
Dielectric	PTFE	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	5/8-24 Threaded	-
Coupling Nut Torque	1.1	Nm
Coupling Nut Retention Force	≥ 450	N
Cable Type Compatibility	RG58/RG142/LMR195/LMR200 Cable	-
Operating Temperature	-40 ~ 80	°C
Compliance	ROHS	-