

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

P/N: AT3U2D-3D

Product Feature:

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

The **UHF Female Crimp Connector** for **RG58, RG142, LMR195 and LMR200 cables** is a reliable 50-ohm RF component designed for fast and secure termination of mid-sized coaxial lines. Its **crimp-style termination** uses a precision ferrule to provide a **high-strength mechanical bond** and consistent electromagnetic shielding. This connector is widely utilized in **mobile radio patch cables, antenna system bulkheads, and WLAN signal boosters**. Its durable design is ideal for **automotive GPS installations, marine communication systems, and test bench cable assemblies**, ensuring stable signal integrity for frequencies up to 500 MHz.



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
Ferrule	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	-