

## UHF F CLAMP for LMR600 Cable

P/N: AT3U2C-3G

### Product Feature:

- Connector Type : UHF (SO-239)
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Clamp
- Cable : LMR600
- Application : Military Communication /Telecom etc

The **UHF Female Clamp Connector** for **LMR600** is a high-performance RF component designed for ultra-low-loss, large-diameter coaxial cables. Its **clamp-style termination** utilizes a threaded compression nut and internal gaskets to create a **secure, weatherproof, and gas-tight seal without requiring specialized crimping tools**. This connector is widely utilized in **high-power wireless infrastructure, commercial broadcasting towers, and long-distance VHF/UHF communication links**. Its robust, field-serviceable design is ideal for **base station antenna feeders, maritime signal distribution, and military-grade communication systems** where maintaining **signal integrity** over heavy-duty runs is critical.



### Electrical Specifications

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



## Technical Data Sheet

<b>Material &amp; Plating</b>		
<b>Component</b>	<b>Material</b>	<b>Plating</b>
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Back Nut	Brass	Nickel
Dielectric	PTFE	-

<b>Mechanical &amp; Environmental Specifications</b>		
<b>Parameter</b>	<b>Value</b>	<b>Unit</b>
Durability (Matings)	≥ 500 min.	-
Fastening Type	5/8-24 Threaded	-
Cable Retention Force	≥ 450	N
Cable Type Compatibility	LMR600 Cable	-
Operating Temperature	-40 ~ 80	°C
Compliance	ROHS	-