

UHF F CLAMP for 1/2" Feeder Cable

P/N: AT3U2C-3K

Product Feature:

- Connector Type : UHF (SO-239)
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Clamp
- Cable : 1/2" Feeder(LDF)
- Application : Military Communication /Telecom etc

The **UHF Female Clamp Connector for 1/2" Feeder Cable** is a heavy-duty RF interface engineered for semi-flexible, low-loss coaxial lines. Its **precision clamp mechanism** ensures a weatherproof, gas-tight seal and **superior electrical contact**, crucial for outdoor environments. This connector is widely utilized in **cellular base station antenna systems, high-power FM/TV broadcasting, and maritime communication towers**. Its robust design is ideal for **microwave backhaul links and military-grade signal distribution** where **maintaining signal integrity** over long vertical runs is essential.



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	1/2" Feeder(LDF)	-
Operating Temperature	-40 ~ 80	°C
Compliance	ROHS	-