

UHF F 4H Panel Mount Solder

P/N: AT3U2S4-3

Product Feature:

- Connector Type : UHF (SO-239)
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight (4Hole Flange Type)
- Termination Style : Solder
- Solder: To PCB or Cable
- Application : Military Communication /Telecom etc

The **UHF Female 4-Hole Panel Mount Solder Connector** is a heavy-duty RF interface designed for secure chassis and bulkhead installations. Its **four-hole flange** ensures a high-torque mechanical mount, while the **solder-cup termination** provides a **low-resistance, permanent connection** for internal circuitry. This connector is essential for **HF/VHF transceivers, antenna tuners, and RF power amplifiers**. It is widely used in **base station cabinets, industrial test equipment, and maritime communication hubs**, providing a **rugged, high-voltage gateway** for external antenna feeders.



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
Dielectric	PTFE	-

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