

UHF F 2H Panel Mount Solder

P/N: AT3U2S2-3

Product Feature:

- Connector Type : UHF (SO-239)
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight (2Hole Flange Type)
- Termination Style : Solder
- Solder: To PCB or Cable
- Application : Military Communication /Telecom etc

The **UHF Female 2-Hole Panel Mount Solder Connector** is a space-efficient RF interface designed for secure installation on chassis, bulkheads, or panels with limited surface area. Featuring a **two-hole flange**, it provides a stable, anti-rotational mount while requiring fewer mounting points than standard square flanges. This connector is commonly utilized in **compact HF/VHF transceivers**, portable antenna tuners, and **custom RF switch boxes**. Its rugged design is ideal for **mobile communication racks**, industrial test benches, and **amateur radio projects**, offering a reliable, high-voltage connection point for external antenna feeders in tight equipment layouts.



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	-