

SMA F RA 4H Panel Mount Solder

P/N: AT3S4S4-6

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Right Angle (90°) (4Hole Flange Type)
- Termination Style : Solder
- Mounting : To Panel/Chassis
- Application : General Purpose/Telecom etc

The **SMA Female Right-Angle 4-Hole Panel Mount Solder Connector** provides a robust, high-stability RF interface for chassis and enclosure walls. Its **90-degree configuration** is ideal for tight spaces, routing bulky coaxial cables parallel to the panel to reduce strain. The **square four-hole flange** bolts flush to the housing, completely absorbing heavy mating torque to protect internal solder joint connections. It is extensively **utilized in high-power RF power amplifiers, commercial radar subassemblies, base station installations, multi-channel coaxial switch matrices, and rugged military communications equipment.**



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.20	@DC-3 GHz
	≤ 1.30	@3-5 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.0	kVrms (at sea level)
Inner Conductor Resistance	≤ 3.0	m Ω
Outer Conductor Resistance	≤ 2.0	m Ω
Power Handling	350	W @1GHz
RF Leakage	≤ -60	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Gold
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	1/4-36	-
Contact Captivation	≥ 27	N
Soldered On	PCB (Panel Mount)	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-