

**SMA F RA 4H Panel Mount Solder Extended Teflon**

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 with extended Teflon** insulation is engineered for rugged **chassis integration and high-power microwave systems**. Its **right-angle design** routes heavy coaxial cables parallel to the panel to optimize tight layout envelopes, while **the 4-hole flange** bolts flat to the frame to completely absorb extreme mating torque. The **extended Teflon dielectric provides enhanced voltage isolation, stabilizes 50 Ω impedance**, and resists thermal damage during wire-to-terminal soldering. It is highly **utilized in high-power RF amplifiers, radar subassemblies, base station installations, and laboratory test instrumentation**.



**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	MΩ
Dielectric Withstanding Voltage	≥ 1.0	kVrms (at sea level)
Inner Conductor Resistance	≤ 3.0	mΩ
Outer Conductor Resistance	≤ 2.0	mΩ
Power Handling	350	W @1GHz
RF Leakage	≤ -60	dB @1GHz



## Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Gold/Nickel
Outer Conductor/Body	Brass	Gold/Nickel
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 (with Extended Teflon)	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-