

SMA F for PCB solder SMT Mount

P/N: AT3S2PT-6

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Solder
- Mounting : To PCB (SMT)
- Application : General Purpose/Telecom etc

The **SMA Female Straight Surface Mount (SMT) PCB Connector** delivers a high-performance, vertical RF interface designed for **automated, high-speed pick-and-place manufacturing**. Mounting completely flat onto the board's surface **eliminates the need for drilled through-holes**, maximizing routing real estate on underlying layers while coplanar SMT leads ensure **excellent 50 Ω impedance continuity**. This vertical configuration is heavily **utilized in automated test equipment (ATE) load boards, 5G small cell base stations, phased-array antenna systems, and satellite transceivers** where clean, top-entry signal launching is critical.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.25	@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 (SMT)	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-