

SMA M 4H panel Mount Solder

P/N: AT3S1S4-6

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight (4Hole Flange Type)
- Termination Style : Solder
- Mounting : To Panel/Chassis
- Application : General Purpose/Telecom etc



The **SMA Male 4 Hole Panel Mount Solder Connector** is a durable RF connector designed for secure panel-mounted installations in **high-frequency communication systems**. Featuring a **4-hole flange design**, it provides **strong mechanical stability and reliable grounding for consistent signal performance**. The solder termination ensures a firm electrical connection with low insertion loss and excellent impedance matching. Commonly **used in RF enclosures, antennas, telecom equipment, wireless communication systems, microwave devices, test instruments, and industrial electronics**, this connector delivers stable and efficient performance in demanding RF applications.

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
Coupling Nut	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
Coupling Nut Retention Force	≥ 270	N
Soldered On	PCB or Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-