

SMA F 4H Panel Mount Solder

P/N: AT3S2S4-6

Product Feature:

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

The **SMA Female 4-Hole Panel Mount Solder Connector** delivers an **ultra-rigid, laboratory-grade** interface engineered for **maximum physical stability**. By utilizing a symmetrical four-quadrant flange, it distributes mechanical stress evenly across the bulkhead, preventing torque-induced twisting or alignment shifts during repeated matings. The rear solder-pot pin allows for a direct, **pristine connection to RF circuits, microstrip designs, or internal wiring**. It serves as a vital component in high-reliability **applications like network analyzers, military radar subsystems, and aerospace testing bays**, where absolute structural integrity and consistent electrical performance are critical.



Electrical Specifications

| Parameter | Value | Unit |
|---------------------------------|-------------|----------------------|
| Characteristic Impedance | 50 | Ω |
| Frequency Range | DC ~ 6 | GHz |
| VSWR | ≤ 1.15 | @DC-4 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 | PTFE | - |
| Gasket | Silicone rubber | - |

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