

SMA F 2H Panel Mount Solder

P/N: AT3S2S2-6

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight (2Hole Flange Type)
- Termination Style : Solder
- Mounting : To Panel/Chassis
- Application: General Purpose/Telecom etc.

The **SMA Female 2-Hole Panel Mount Solder Connector** provides a low-profile, highly stable chassis interface for high-frequency RF systems. Its integrated **2-hole flange** enables secure, anti-rotational mechanical mounting onto enclosures or bulkheads using standard hardware. Featuring a robust solder-pot terminal, it ensures an uncompromised, low-resistance **electrical connection directly to internal circuitry or microstrip lines**. This connector is widely **utilized in RF microwave components, testing instrumentation, telecommunication racks, and defense electronics**, where **precise impedance matching, minimal signal loss, and compact panel spacing** are required.



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
Coupling Nut	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	-