

SMA F 4H Panel Mount SOLDER for RG405/Semi-rigid .086 Cable

P/N: AT3S2S4-6B

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight (4Hole Flange Type)
- Termination Style : Solder
- Cable : RG405/Semi-rigid .086
- Application : General Purpose/Telecom etc

The **SMA Female 4-Hole Panel Mount Solder Connector for RG405 and .086-inch semi-rigid cables** delivers a high-precision, low-VSWR interface for microwave frequencies up to **6 GHz**. Designed for direct-solder termination, the solid copper outer jacket of the thin .086 cable fuses seamlessly to the connector body, providing **maximum RF shielding and phase stability**. The rugged **square four-hole flange** bolts flat to the housing wall, isolating the delicate joint from mating torque. It is **widely utilized in high-frequency radar modules, compact satellite transponders, multi-channel RF switch matrices, and aerospace telemetry systems**.



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
Cable Type Compatibility	RG405/Semi-rigid .086 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-

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