

## SMA F 2H panel Mount SOLDER for RG405/Semi-rigid .086 Cable

P/N: AT3S2S2-6B

### Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight (2Hole Flange Type)
- Termination Style : Solder
- Cable : RG405/Semi-rigid .086
- Application : General Purpose/Telecom etc

The **SMA Female 2-Hole Panel Mount Solder Connector for RG405 and .086-inch semi-rigid cables** delivers a high-precision, low-reflection interface for microwave frequencies up to 6 GHz. Its direct-solder design allows the solid copper outer jacket of the cable to fuse seamlessly to the connector body, ensuring **absolute shielding effectiveness and phase stability**. The space-saving two-hole flange allows for ultra-dense, narrow pitch spacing on chassis walls while **retaining excellent torque resistance**. This configuration is **widely implemented in high-frequency beamforming networks, compact radar subassemblies, multi-port RF switch matrices, and tightly packed aerospace telemetry systems**.



### Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	$\Omega$
Frequency Range	DC ~ 6	GHz
VSWR	$\leq 1.15$	@DC-3 GHz
	$\leq 1.25$	@3-5 GHz
Insertion Loss	$\leq 0.2$	@DC-4 GHz
Insulation Resistance	$\geq 5000$	M $\Omega$
Dielectric Withstanding Voltage	$\geq 1.0$	kVrms (at sea level)
Inner Conductor Resistance	$\leq 3.0$	m $\Omega$
Outer Conductor Resistance	$\leq 2.0$	m $\Omega$
Power Handling	350	W @1GHz
RF Leakage	$\leq -60$	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	-

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042  
Contact: +91 9643592149 Email: [info@aetherx.in](mailto:info@aetherx.in) , Website: [www.aetherx.in](http://www.aetherx.in)