Technical
Data Sheet

SMA F 2H panel Mount SOLDER for RG402/Semi-rigid .141 Cable

P/N: AT3S2S2-6A

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight (2Hole Flange Type)
- Termination Style : Solder
- Cable : RG402/Semi-rigid .141
- Application : General Purpose/Telecom etc

The **SMA Female 2-Hole Panel Mount Solder Connector for RG402 and .141-inch semi-rigid cables** delivers a high-precision, low-loss interface for microwave frequencies **up to 6 GHz**. The direct-solder rear entry allows the solid copper outer jacket of the semi-rigid cable to be **soldered directly to the connector body**, ensuring **maximum shielding effectiveness and structural integrity**. Its slim, two-hole flange allows for tight, high-density side-by-side mounting on chassis walls while providing reliable torque resistance. This configuration is widely **implemented in high-frequency radar modules, satellite communication payloads, military RF amplifiers, and precision laboratory test fixtures.**

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	MΩ
Dielectric Withstanding Voltage	≥ 1.0	kVrms (at sea level)
Inner Conductor Resistance	≤ 3.0	mΩ
Outer Conductor Resistance	≤ 2.0	mΩ
Power Handling	350	W @1GHz
RF Leakage	≤ -60	dB @1GHz

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042
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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	RG402/Semi-rigid .141 Cable	-
Operating Temperature	-50 ~ 125	℃
Compliance	ROHS	-

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