

SMA F BH for PCB solder with stand-off

P/N: AT3S2PH-6

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight Bulkhead
- Termination Style : Solder
- Mounting : To PCB (With Stand-off)
- Application : General Purpose/Telecom etc

The **SMA Female Bulkhead Straight Through-Hole PCB Solder Connector with built-in standoffs** delivers a robust panel-to-board interface for high-frequency microwave assemblies. Its **threaded bulkhead** barrel mounts securely through a chassis panel, absorbing external mating torque to protect delicate board-level solder joints. **Integrated standoff legs elevate the body to prevent solder bridging** and allow easy post-reflow flux cleaning, while through-hole pins ensure **exceptional electrical grounding**. It is **widely implemented in ruggedized military communication gear, industrial wireless gateways, telecom rack units, and multi-channel RF testing enclosures.**



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
Soldered On	PCB (with stand-off)	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-