

SMA F RA BH PCB SOLDER

P/N: AT3S4PB-6

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Right Angle (90°) Bulkhead
- Termination Style : Solder
- Soldered : To PCB
- Application : General Purpose/Telecom etc

The **SMA Female Right-Angle Bulkhead Through-Hole PCB Solder Connector** provides a rugged, space-saving interface that transitions seamlessly from a chassis panel directly to the circuit board. Its **90-degree bend** routes cables parallel to the PCB, drastically **reducing vertical footprint**, while the threaded bulkhead assembly absorbs external mating torque to protect delicate solder joints. **Through-hole legs** ensure deep mechanical anchoring and **excellent electrical grounding**. It is widely **implemented in dense electronic packaging, industrial wireless gateways, multi-channel RF matrices, and compact avionics enclosures** where robust panel-to-board integration is required.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.20	@DC-3 GHz
	≤ 1.30	@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 (Through Hole)	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-