

SMA F BH Solder for RG402/Semi-rigid .141 Cable

P/N: AT3S2SB-6A

Product Feature:

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

The **SMA Female Bulkhead Solder Connector for RG402 and .141" Semi-Rigid Cables** delivers a rugged, high-frequency chassis interface optimized for uncompromised microwave performance. Its **threaded bulkhead** design allows secure, anti-rotational panel mounting, creating an isolated, liquid-tight pass-through. **Direct 360-degree outer shield soldering** ensures **maximum RF shielding and exceptional phase stability** up to 12 GHz. This connector is heavily relied upon in **base station power amplifiers, defense radar subsystems, satellite communications, and laboratory-grade automated test equipment** where **ultra-low VSWR** is vital.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 12	GHz
VSWR	≤ 1.15	@DC-6 GHz
	≤ 1.25	@8-10 GHz
Insertion Loss	≤ 0.2	@DC-8 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 Retention Force	≥ 190	N
Cable Type Compatibility	RG402/Semi-rigid .141 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-