

SMA F BH SOLDER for RG405/Semi-rigid .086 Cable

P/N: AT3S2SB-6B

Product Feature:

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



The **SMA Female Bulkhead Solder Connector for RG405 and .086" Semi-Rigid Cables** provides a premium, rear-mounting chassis interface for **high-frequency microwave systems**. Its threaded bulkhead design, complete with a hex nut and lock washer, enables a secure, anti-rotational panel pass-through that isolates external mechanical stress. **By soldering the semi-rigid cable's solid outer jacket directly to the body**, it ensures continuous **360-degree RF shielding and flawless phase stability**, making it essential for hermetic enclosures, test instrumentation, and phase-matched arrays.

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	RG405/Semi-rigid .086 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-