

SMA F BH CRIMP for RG174/LMR100/RG316 Cable

P/N: AT3S2DB-6C

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight Bulkhead
- Termination Style : Crimp
- Cable : RG174/LMR100/RG316
- Application : General Purpose/Telecom etc

The **SMA Female Bulkhead Crimp Connector for RG174, LMR100, and RG316 cables** provides a rugged, high-performance panel-to-cable transition for flexible sub-miniature coax. The **threaded bulkhead** barrel mounts securely into chassis cutouts **with a nut and washer**, absorbing external mating torque to safeguard internal assemblies. A precision rear crimp sleeve provides **excellent cable retention and shield grounding** on these ultra-thin 2.5mm lines. This connector is heavily **utilized in industrial IoT gateways, automotive GPS/telemetry modules, cellular booster systems, Wi-Fi router enclosures, and multi-channel RF 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	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
Ferrule	Copper Alloy	Nickel
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	RG174/LMR100/RG316 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-