

TNC F BH CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3T2DB-6C

Product Feature:

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

The **TNC Female Bulkhead (BH) Crimp Connector** for **LMR100, RG174, and RG316 Cables** is a precision-engineered RF interface designed for **panel-mount applications** involving thin, flexible coaxial cables. The **bulkhead** design features an integrated O-ring and mounting nut, allowing for a **secure, weatherproof** pass-through on equipment enclosures. Its threaded coupling provides significantly **better vibration resistance** and **shielding** than BNC equivalents. This connector is commonly used in **GPS receivers, handheld tactical radios, industrial IoT gateways, and medical telemetry systems**, where a **durable, low-loss external antenna port** is required for miniaturized electronics.



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	≥ 1.5	kVrms (at sea level)
Inner Conductor Resistance	≤ 1.5	m Ω
Outer Conductor Resistance	≤ 0.2	m Ω
Power Handling	316	W @1GHz
RF Leakage	≤ -55	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Nickel
Ferrule	Brass	Nickel
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	7/16-28	-
Contact Captivation	≥ 27	N
Cable Retention Force	≥ 150	N
Cable Type Compatibility	LMR100/RG174/RG316 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-