

N F BH CRIMP for LMR240 Cable

P/N: AT3N2DB-6F

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight Bulkhead
- Termination Style : Crimp
- Cable : LMR240
- Application : General Purpose/Military



The **N-Type Female Bulkhead (BH) Crimp Connector** is a high-performance RF component specifically optimized for **LMR240** coaxial cables. It features a rear-mount bulkhead design with a nut and washer, allowing for secure, airtight installation through panel walls or enclosures. The crimp termination provides a high-strength mechanical bond and consistent electrical impedance. It is widely utilized in **Wi-Fi antennas, GPS systems, and telecommunications cabinets** where external-to-internal signal routing is required.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.2	@3-5 GHz
Insertion Loss	≤ 0.05	@DC-5 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 2.5	kVrms
Inner Conductor Resistance	≤ 1.0	m Ω
Outer Conductor Resistance	≤ 0.25	m Ω
Power Handling	1.0	kW @1GHz
RF Leakage	≤ -90	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphorous bronze	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Ferrule	Brass	Tri-Alloy
Coupling Nut	Brass	Tri-Alloy
Dielectric	PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (matings)	≥ 500 min.	-
Coupling nut torque	25/30	Nm
Cable Type Compatibility	LMR240 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-