

## N F BH CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3N2DB-6C

### Product Feature:

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



The **N-Type Female Bulkhead (BH) Crimp Connector** is a high-stability RF interface designed for thin, flexible coaxial cables like **LMR100, RG174, and RG316**. The bulkhead mounting system features a D-flat or hex nut for secure, anti-rotation installation through chassis panels. Its crimp termination provides a permanent, high-vibration-resistant bond, ensuring consistent 50-ohm impedance. This connector is vital for **compact RF modules, laboratory instrumentation, and micro-cell wireless equipment** requiring a reliable external interface.

### Electrical Specifications

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



## Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphorous bronze	Gold
Outer Conductor/Body	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	LMR100/RG174/RG316 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-