

## BNC F CLAMP for LMR240 Cable

P/N: AT3B2C-4F

### Product Feature:

- Connector Type : BNC
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Clamp
- Cable : LMR240
- Application : General Purpose/Telecom etc



The **BNC Female Clamp Connector** for **LMR240 cable** is a high-performance RF solution designed for low-loss signal transmission in demanding environments. It features a precision-machined body that matches the **50-ohm impedance of LMR240**, ensuring **excellent VSWR** and **minimal attenuation**.

The robust **crimp-style termination** provides a secure, weather-resistant mechanical bond, making it ideal for **wireless communication systems, cellular boosters, and Wi-Fi antenna installations**. Its durable construction ensures long-term reliability in **GPS applications, RFID systems, and high-frequency test equipment** where signal integrity is paramount.

### Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	$\Omega$
Frequency Range	DC ~ 4	GHz
VSWR	$\leq 1.15$	@DC-2 GHz
	$\leq 1.30$	@2-4 GHz
Insertion Loss	$\leq 0.2$	@DC-4 GHz
Insulation Resistance	$\geq 5000$	M $\Omega$
Dielectric Withstanding Voltage	$\geq 1.5$	kVrms
Inner Conductor Resistance	$\leq 1.0$	m $\Omega$
Outer Conductor Resistance	$\leq 0.25$	m $\Omega$
Power Handling	300	W @1GHz
RF Leakage	$\leq -55$	dB @1GHz



## Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor Copper	Gold
Outer Conductor/Body	Brass	White Bronze
Back Nut	Annealed Copper	Nickel
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Contact Captivation	≥ 27	N
Cable Type Compatibility	LMR240 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-