Technical
Data Sheet

BNC F CRIMP for LMR240 Cable

P/N: AT3B2D-4F

Product Feature:

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

The **BNC Female Crimp 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	Ω
Frequency Range	DC ~ 4	GHz
VSWR	≤ 1.15	@DC-2 GHz
	≤ 1.30	@2-4 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	MΩ
Dielectric Withstanding Voltage	≥ 1.5	kVrms
Inner Conductor Resistance	≤ 1.0	mΩ
Outer Conductor Resistance	≤ 0.25	mΩ
Power Handling	300	W @1GHz
RF Leakage	≤ -55	dB @1GHz

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042
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Material & Plating		
Component	**Material**	**Plating**
Center Conductor	Phosphor Copper	Gold
Outer Conductor/Body	Brass	White Bronze
Ferrule	Annealed Copper	Tri-Alloy
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	-

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