Technical
Data Sheet

N F CRIMP for LMR240 Cable

P/N: AT3N2D-6F

Product Feature:

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

The **N-Type Female Crimp Connector** is a high-performance 50-ohm interface designed for **LMR240** and equivalent cables like **RG8X** and **HLF240**. It typically supports frequencies up to **8 GHz** (with precision models reaching **11 GHz**) and is built for durability with a threaded coupling mechanism. The crimp-style termination ensures a permanent, vibration-resistant mechanical bond, making it the standard for **WLAN antennas, cellular boosters, and wireless infrastructure**.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 8	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.20	@3-5 GHz
Insertion Loss	≤ 0.05	@DC-5 GHz
Insulation Resistance	≥ 5000	MΩ
Dielectric Withstanding Voltage	≥ 2.5	kVrms
Inner Conductor Resistance	≤ 1.0	mΩ
Outer Conductor Resistance	≤ 0.25	mΩ
Power Handling	1.0	kW @1GHz
RF Leakage	≤ -90	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	Phosphorous bronze	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Ferrule	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	LMR 240 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-

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