

N M CLAMP for LMR240 Cable

P/N: AT3N1C-6F

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : LMR240
- Application: General Purpose/Telecom etc.

The **N-Type Male Clamp Connector** is a high-performance, threaded RF interface specifically engineered for **LMR240** coaxial cables. This 50-ohm connector features a precision clamp-style attachment that enables **secure field termination without the need for specialized crimping tools**. Its durable, weatherproof design typically supports frequencies up to 11 GHz with low signal loss. It is a critical component for **wireless local area networks (WLAN), cellular base stations, and industrial antenna installations** where a robust, high-reliability mechanical bond is required.



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	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
Coupling Nut	Brass	Tri-Alloy
Back Nut	Brass	Tri-Alloy
Washer	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	-