

N M CLAMP for LMR600 Cable

P/N: AT3N1C-6G

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : LMR600
- Application: General Purpose/Telecom etc.

The **N Male Clamp Connector for LMR600 Cable** is a high-performance, low-loss 50-ohm signal transmission in demanding wireless environments. Utilizing a precision **clamp termination**, it ensures a secure mechanical bond and excellent electrical continuity for high-power applications. This connector is widely used in **5G/LTE base stations, WLAN installations, and long-range antenna feeders** where minimizing attenuation is critical. Its rugged, nickel-plated brass construction and gold-plated center contact provide superior durability and corrosion resistance, ensuring a stable, **high-capacity interface for professional telecommunications infrastructure.**



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 8	GHz
VSWR	≤ 1.15	@DC-4 GHz
	≤ 1.20	@3-6 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
PIM	≤ -155	dBc@(2 \times 43dBm)
RF Leakage	≤ -85	dB @3GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor bronze	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Coupling Nut	Brass	Nickel
Back Nut	Brass	Nickel
Dielectric	PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Coupling nut torque	25/30	Nm
Cable Type Compatibility	LMR600 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-