

N M RA CLAMP for LMR600 Cable

P/N: AT3N3C-6G

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Clamp
- Cable : LMR600
- Application: General Purpose/Telecom etc.

The **N Male Right Angle (RA) Clamp Connector** for **LMR600** cable, is a high-performance RF solution designed for low-loss signal transmission in confined spaces. Its 90-degree configuration facilitates clean cable management in tight enclosures, preventing mechanical stress and signal attenuation. This connector is extensively used in **5G/LTE base stations** and **heavy-duty antenna systems**. Featuring a precision clamp mechanism, it ensures a secure, weatherproof mechanical bond, while its rugged construction provides excellent shielding and corrosion resistance for demanding outdoor environments.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 8	GHz
VSWR	≤ 1.10	@DC-4 GHz
	≤ 1.25	@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	-