

N M RA CLAMP for LMR400/RG8/RG11/RG213/RG393 Cable

P/N: AT3N3C-6E

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Clamp
- Cable : LMR400/RG8/RG11/RG213/RG393
- Application : General Purpose/Military

The **N-Type Male Right-Angle (RA) Clamp Connector** is a heavy-duty RF component designed for large-diameter cables such as **LMR400, RG8, RG11, RG213, and RG393**. Its 90-degree elbow geometry allows for clean cable routing in confined spaces, while the clamp-style termination enables **secure field installation without specialized crimping tools**. This weatherproof, 50-ohm connector provides excellent mechanical stability and low signal loss up to 11 GHz, making it essential for **high-power base stations, industrial wireless links, and military-grade communication systems**.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 8	GHz
VSWR	≤ 1.20	@DC-3 GHz
	≤ 1.25	@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	LMR400/RG8/RG11/RG213/RG393 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-