

N F RA CLAMP for LMR240 Cable

P/N: AT3N4C-6F

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Right Angle (90°)
- Termination Style : Clamp
- Cable : LMR240
- Application : General Purpose/Telecom etc



The **N-Type Female Right-Angle (RA) Clamp Connector** is a heavy-duty RF interface specifically optimized for **LMR240** coaxial cables. Its 90-degree elbow configuration is essential for routing cables in confined spaces, preventing signal-degrading sharp bends. The clamp-style termination allows for secure **field assembly without specialized crimping tools**, offering a reusable and robust mechanical bond. This 50-ohm connector provides stable performance up to 6 GHz, making it a reliable choice for **WLAN systems, base station equipment, and industrial RF networking** where space is limited and weather resistance is required.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	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	LMR 240 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-