

N M RA CLAMP for 1/2" Feeder Cable

P/N: AT3N3C-6K

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Clamp
- Cable : 1/2" Feeder/LDF
- Application: General Purpose/Telecom etc.

The **N-Type Male Right-Angle (RA) Clamp Connector for 1/2" feeder cable** (such as **LDF4-50A**, **AVA4-50**, or **HL4RP-50**) is a heavy-duty 50-ohm RF interface designed for high-power telecommunications infrastructure. Its 90-degree configuration allows for clean cable routing in confined spaces, such as inside BTS cabinets or on densely packed antenna mounts, without violating the cable's minimum bend radius. The clamp-style termination provides a **high-strength, gas-tight, and moisture-proof seal** that can be assembled in the field using standard wrenches, ensuring low Passive Intermodulation (PIM) and superior signal integrity up to **6 GHz**.



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
PIM	≤ -155	dBc@(2 \times 43dBm)
RF Leakage	≤ -85	dB @3GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor bronze	Silver
Outer Conductor/Body	Brass	Tri-Alloy
Coupling Nut	Brass	Nickel
Back Nut	Brass	Nickel
Shield Clamp	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	1/2" Feeder/LDF Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-

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