

N M RA CLAMP for LMR300 Cable

P/N: AT3N3C-6H

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Clamp
- Cable : LMR300
- Application: General Purpose/Telecom etc.

The **N-Type Male Right-Angle (RA) Clamp Connector** for **LMR300** is a precision-engineered, 50-ohm RF component designed for installations requiring a compact footprint without sacrificing electrical performance. This connector features a 90-degree elbow to prevent cable stress and a clamp-style termination, which allows for **secure field assembly without a crimping tool**. It is a reliable choice for **BTS/IBS sites, industrial wireless links, and telecommunication hardware** where high shielding and low signal loss are critical.



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 300 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-