

N M RA CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3N3D-6C

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Clamp
- Cable : LMR100/RG174/RG316
- Application : General Purpose/Telecom etc

The **N-Type Male Right-Angle (RA) Crimp Connector** is a precision RF component designed for tight space requirements using **LMR100, RG174, and RG316** cables. Its 90-degree elbow configuration reduces cable strain in compact housings while maintaining a secure, threaded connection. The crimp termination ensures high mechanical durability and consistent 50-ohm impedance, making it ideal for **tactical radio systems, vehicle-mounted antennas, and internal cabinet routing** where vertical clearance is limited.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 8	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.2	@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
Ferrule	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	LMR100/RG174/RG316 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-