

**N M CLAMP for RG58/RG142/LMR195/LMR200 Cable**

P/N: AT3N1C-6D

**Product Feature:**

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : RG58/RG142/LMR195/LMR200
- Application : General Purpose/Telecom etc



The **N-Type Male Clamp Connector** is a heavy-duty RF interface designed for popular mid-sized coaxial cables such as **RG58, RG142, LMR195, and LMR200**.

This connector features a threaded coupling mechanism that provides a secure, weatherproof connection suitable for high-vibration environments. The crimp-style termination ensures a **permanent, high-strength mechanical bond** and consistent 50-ohm impedance across frequencies up to 11 GHz. It is a standard choice for **WLAN installations, antenna feeders, and mobile communication systems**.

**Electrical Specifications**

Parameter	Value	Unit
Characteristic Impedance	50	$\Omega$
Frequency Range	DC ~ 8	GHz
VSWR	$\leq 1.15$	@DC-3 GHz
	$\leq 1.2$	@3-5 GHz
Insertion Loss	$\leq 0.05$	@DC-5 GHz
Insulation Resistance	$\geq 5000$	M $\Omega$
Dielectric Withstanding Voltage	$\geq 2.5$	kVrms
Inner Conductor Resistance	$\leq 1.0$	m $\Omega$
Outer Conductor Resistance	$\leq 0.25$	m $\Omega$
Power Handling	1.0	kW @1GHz
RF Leakage	$\leq -90$	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	RG58/RG142/LMR195/LMR200 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-

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