

## N M CLAMP for LMR300 Cable

P/N: AT3N1C-6H

### Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : LMR300
- Application: General Purpose/Telecom etc.

The **N-Type Male Clamp Connector** is a high-performance RF interface designed for **LMR300** and equivalent low-loss coaxial cables. Featuring a precision-machined clamp mechanism, it allows for **secure field assembly without specialized crimping tools**, making it ideal for repairs or custom installations in the field. This threaded, 50-ohm connector provides superior mechanical retention and weather resistance, typically supporting frequencies up to **8 GHz** with a low VSWR ( $\leq 1.25$ ).



### Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	$\Omega$
Frequency Range	DC ~ 6	GHz
VSWR	$\leq 1.15$	@DC-3 GHz
	$\leq 1.20$	@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

<b>Material &amp; Plating</b>		
<b>Component</b>	<b>Material</b>	<b>Plating</b>
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	-

<b>Mechanical &amp; Environmental Specifications</b>		
<b>Parameter</b>	<b>Value</b>	<b>Unit</b>
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	-