

## N F CLAMP for 1/4" Feeder Cable

P/N: AT3N2C-6I

### Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Clamp
- Cable : 1/4" Feeder/LDF
- Application: General Purpose/Telecom etc.



The **N-Type Female Clamp Connector** for **1/4" Feeder/LDF cable** is a high-performance 50-ohm RF component optimized for tight-radius routing and low-loss signal transmission. Its straight body and clamp-style termination provide a **robust, gas-tight mechanical bond** that can be reliably assembled in the field without specialized crimping tools. Usually finished with **tri-metal or silver plating**, these connectors are engineered for superior Passive Intermodulation (PIM) performance and moisture resistance, making them essential for **small cell deployments, In-Building Solutions (IBS), and distributed antenna systems (DAS)** up to 6 GHz.

### 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 $\Omega$
PIM	$\leq -155$	dBc@(2x43dBm)
RF Leakage	$\leq -85$	dB @3GHz



## Technical Data Sheet

<b>Material &amp; Plating</b>		
<b>Component</b>	<b>Material</b>	<b>Plating</b>
Center Conductor	Phosphor/beryllium bronze	Silver
Outer Conductor/Body	Brass	Tri-Alloy
Back Nut	Brass	Nickel
Shield Clamp	Brass	Nickel
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	1/4" Feeder/LDF Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-