

## TNC M CLAMP for 1/2" Feeder Cable

P/N: AT3T1C-6K

### Product Feature:

- Connector Type : TNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Clamp
- Cable : 1/2" Feeder(LDF)
- Application : General Purpose/Telecom etc

The **TNC Male Clamp Connector for 1/2" Feeder Cable** is a high-performance, industrial-grade RF interface engineered for high-power transmissions and low-loss connectivity. Designed for corrugated or smooth-wall **1/2" coaxial feeders**, the clamp-style mechanism provides a robust, watertight, and field-installable termination **without requiring specialized crimping tools**. Its threaded coupling offers **exceptional mechanical stability** and **vibration resistance**. This connector is primarily used in **telecom base stations, distributed antenna systems (DAS), cellular signal boosting infrastructure, and broadcast installations** where high power handling and signal integrity are critical.



### Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	$\Omega$
Frequency Range	DC ~ 6	GHz
VSWR	$\leq 1.15$	@DC-3 GHz
	$\leq 1.25$	@3-5 GHz
Insertion Loss	$\leq 0.2$	@DC-4 GHz
Insulation Resistance	$\geq 5000$	M $\Omega$
Dielectric Withstanding Voltage	$\geq 1.5$	kVrms (at sea level)
Inner Conductor Resistance	$\leq 1.5$	m $\Omega$
Outer Conductor Resistance	$\leq 0.2$	m $\Omega$
Power Handling	316	W @1GHz
RF Leakage	$\leq -55$	dB @1GHz



## Technical Data Sheet

<b>Material &amp; Plating</b>		
<b>Component</b>	<b>Material</b>	<b>Plating</b>
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Nickel
Back Nut	Brass	Nickel
Fastening Nut	Brass	Nickel
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

<b>Mechanical &amp; Environmental Specifications</b>		
<b>Parameter</b>	<b>Value</b>	<b>Unit</b>
Durability (Matings)	≥ 500 min.	-
Fastening Type	7/16-28	-
Contact Captivation	≥ 27	N
Coupling Nut Torque	46 - 69	Ncm
Coupling Nut Retention Force	≥ 450	N
Cable Type Compatibility	1/2" Feeder(LDF) Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-