

TNC M RA CLAMP for LMR300 Cable

P/N: AT3T3C-6H

Product Feature:

- Connector Type : TNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Clamp
- Cable : LMR300
- Application : General Purpose/Telecom etc

The **TNC Male Right-Angle (RA) Clamp Connector** for **LMR300** cable is a heavy-duty RF component designed for high-performance signal transmission in restricted spaces. The 90° configuration enables clean cable management and **prevents excessive bending stress** on the low-loss LMR300 coaxial line. Its clamp-style assembly allows for precise, tool-free field termination, ensuring a robust and weather-resistant seal. This connector is ideally suited for **wireless infrastructure, large-scale antenna systems, shipboard communications, and satellite ground stations** where durability and high-frequency stability are required in compact installations.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.20	@DC-3 GHz
	≤ 1.30	@3-5 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.5	kVrms (at sea level)
Inner Conductor Resistance	≤ 1.5	m Ω
Outer Conductor Resistance	≤ 0.2	m Ω
Power Handling	316	W @1GHz
RF Leakage	≤ -55	dB @1GHz



Technical Data Sheet

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

Mechanical & Environmental Specifications		
Parameter	Value	Unit
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	LMR300 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-