

TNC M RA RP CRIMP for LMR240 Cable

P/N: AT3T3D-6F2

Product Feature:

- Connector Type : TNC
- Polarity : Reverse Polarity
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Crimp
- Cable : LMR240
- Application : General Purpose/Telecom etc

The **TNC Male Right-Angle (RA) Reverse Polarity (RP) Crimp Connector** is a specialized RF component designed for low-loss **LMR240** coaxial cable. It combines a 90° profile for tight installations with a reverse-polarity interface—utilizing a **female socket center contact within a male threaded shell**—to meet regulatory requirements for wireless equipment. The crimp-style termination ensures a high-strength, permanent bond, providing excellent shielding and vibration resistance. Common applications include **WLAN antennas, Wi-Fi hotspots, industrial wireless routers, and vehicle-mounted communication systems** where space is limited and signal performance is critical.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.25	@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
Ferrule	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	LMR240 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-