

TNC M RA CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3T3D-6C

Product Feature:

- Connector Type : TNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Crimp
- Cable : LMR100/RG174/RG316
- Application : General Purpose/Telecom etc

The **TNC Male Right-Angle (RA) Crimp Connector** is a rugged, RF solution optimized for thin coaxial cables like **LMR100, RG174, and RG316**. Its threaded coupling provides superior stability in high-vibration environments, while the right-angle geometry enables low-profile cable routing in space-constrained enclosures. This connector ensures a secure, moisture-resistant fit with **minimal signal loss**. Typical applications include **aerospace instrumentation, vehicle-mounted GPS antennas, cellular base stations, and internal RF wiring for wireless routers and industrial IoT devices**.



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
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	LMR100/RG174/RG316 Cables	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-

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