Technical
Data Sheet

TNC M CRIMP for LMR240 Cable

P/N: AT3T1D-6F

Product Feature:

- Connector Type : TNC
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : LMR240
- Application : General Purpose/Telecom etc

The **TNC Male Crimp Connector** for **LMR240 cable** is a medium-sized, weatherproof RF component designed for high-power and low-loss transmissions. Its threaded coupling mechanism provides a secure, vibration-proof connection that outperforms BNC connectors in demanding environments. Engineered specifically **for the thicker LMR240 coaxial cable**, it ensures **excellent shielding and signal integrity**. Typical applications include **broadband wireless equipment, base station antennas, GPS systems, and tactical radio communications**, where a durable, high-frequency interface is essential for **outdoor or industrial use**.

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	MΩ
Dielectric Withstanding Voltage	≥ 1.5	kVrms (at sea level)
Inner Conductor Resistance	≤ 1.5	mΩ
Outer Conductor Resistance	≤ 0.2	mΩ
Power Handling	316	W @1GHz
RF Leakage	≤ -55	dB @1GHz

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042
Contact: +91 9643592149 Email: info@aetherx.in , Website: www.aetherx.in

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 Cables	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042
Contact: +91 9643592149 Email: info@aetherx.in , Website: www.aetherx.in