

SMA M CRIMP for LMR400/RG8/RG213/RG393 Cable

P/N: AT3S1D-6E

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable: LMR400/RG8/RG213/RG393
- Application : General Purpose/Telecom etc



The **SMA Male Crimp Connector for LMR400, RG8, RG213, and RG393 Cables** provides a high-performance, permanent termination solution for thick, low-loss coaxial lines. Its threaded coupling mechanism ensures **excellent electrical contact and mechanical security**, effectively **minimizing signal leakage and phase instability** across **high-frequency RF applications**. The heavy-duty crimp-style assembly yields a rugged, moisture-resistant connection that withstands high tensile strain, making it ideal for permanent outdoor or high-vibration environments. It is extensively **deployed in cellular base stations, satellite communication terminals, aerospace telemetry, and high-power Wi-Fi networks**, where maximum **durability, precise impedance matching, and ultra-low insertion loss** are paramount.

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	≥ 1.0	kVrms (at sea level)
Inner Conductor Resistance	≤ 3.0	m Ω
Outer Conductor Resistance	≤ 2.0	m Ω
Power Handling	350	W @1GHz
RF Leakage	≤ -60	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Gold
Coupling Nut	Brass	Gold
Ferrule	Copper Alloy	Nickel
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Fastening Type	1/4-36	-
Contact Captivation	≥ 27	N
Coupling Nut Retention Force	≥ 270	N
Cable Type Compatibility	LMR400/RG8/RG213/RG393 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-

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