Technical
Data Sheet

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

P/N: AT3S3D-6E

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Crimp
  Cable: LMR400/RG8/RG213/RG393
- Application : General Purpose/Telecom etc

The **SMA Male Right-Angle Crimp Connector for LMR400, RG8, RG213, and RG393 Cables** provides a space-saving, permanent termination solution for thick, low-loss coaxial lines. Its **90-degree configuration** minimizes cable bend strain, making it perfect for tight enclosures and dense rear-panel routing without compromising signal integrity. The heavy-duty crimp assembly yields a rugged, moisture-resistant connection with high tensile strength. It is extensively **deployed in cellular base stations, compact avionics bays, and tactical enclosures** where 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	≤ 1.20	@DC-3 GHz
	≤ 1.30	@3-5 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	MΩ
Dielectric Withstanding Voltage	≥ 1.0	kVrms (at sea level)
Inner Conductor Resistance	≤ 3.0	mΩ
Outer Conductor Resistance	≤ 2.0	mΩ
Power Handling	350	W @1GHz
RF Leakage	≤ -60	dB @1GHz

Ground floor, Plot No -20, (KH No-160/1,street No-3/2, samta Vihar, Mukandpur Extn., North West Delhi, Delhi-110042
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Material & Plating		
Component	**Material**	**Plating**
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Gold/Nickel
Coupling Nut	Brass	Gold/Nickel
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	℃
Compliance	ROHS	-

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