

SMA M RA CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3S3D-6C

Product Feature:

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

The **SMA Male Right-Angle (RA) Crimp Connector for LMR100, RG174, and RG316 coaxial cables** is a precision sub-miniature RF connector featuring a **90-degree bend**. This right-angle design drastically reduces cable strain and space requirements, making it ideal for tight enclosures and low-profile setups where straight connectors won't fit. Engineered for reliable performance up to 6 GHz, its **secure crimp termination** ensures **low-loss signal integrity**. It is widely used in compact **wireless modules, GPS tracking devices, automotive telematics, dense RF testing matrices, and cellular infrastructure** requiring neat, high-density cable routing.



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	≥ 1.0	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	LMR100/RG174/RG316 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-