

## SMA M RA CRIMP for RG59 Cable

P/N: AT3S7D-6X

### Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Crimp
- Cable : RG59
- Application : General Purpose/Telecom etc

This high-performance **SMA Male Right-Angle (RA) crimp connector for RG59 Cable** is precision-engineered for reliable RF signal transmission when paired with RG-59 coaxial cables. Featuring a standard threaded interface and a **space-saving 90-degree right-angle design**, it is ideal for tight spaces where cable bending is restricted, **reducing cable strain and signal loss**. The robust crimp termination ensures a secure, durable mechanical and electrical connection. It is widely used in **telecommunications, broadband routing, video surveillance (CCTV) systems, test and measurement laboratory setups, and wireless communication infrastructure requiring stable 75-ohm or 50-ohm impedance matching at high frequencies.**



### Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	$\Omega$
Frequency Range	DC ~ 6	GHz
VSWR	$\leq 1.20$	@DC-3 GHz
	$\leq 1.30$	@3-5 GHz
Insertion Loss	$\leq 0.2$	@DC-4 GHz
Insulation Resistance	$\geq 5000$	M $\Omega$
Dielectric Withstanding Voltage	$\geq 1.0$	kVrms (at sea level)
Inner Conductor Resistance	$\leq 3.0$	m $\Omega$
Outer Conductor Resistance	$\leq 2.0$	m $\Omega$
Power Handling	350	W @1GHz
RF Leakage	$\leq -60$	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	RG59 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-