

SMA M CRIMP for RG 59 Cable

P/N: AT3S5D-6X

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : RG59
- Application : General Purpose/Telecom etc

The **SMA Male Crimp Connector for RG59 coaxial cable** is a specialized RF connector designed to adapt **standard 75-ohm** cabling to a precision threaded SMA interface. Engineered with a heavy-duty **crimp termination**, it provides **excellent mechanical stability** and a secure, vibration-resistant bond on the thicker jacket of RG59. While standard SMA connectors are typically 50 ohms, this configuration is specifically **utilized to bridge legacy video and broadband infrastructure with modern RF equipment**. It is widely used in **commercial CCTV surveillance networks, broadcast video setups, cable television (CATV) distribution, and specialized 75-ohm RF test and measurement systems**.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	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	RG59 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-