

SMA F CRIMP for RG59 Cable

P/N: AT3S6D-6X

Product Feature:

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

The **SMA Female Crimp Connector for RG59 Cable** provides a secure, high-integrity RF termination for **75-ohm** coaxial lines. Specifically engineered to match the larger dimensions of RG59, this connector utilizes a precision hex crimp sleeve that mechanically anchors the cable jacket and shielding to ensure **excellent pull-out resistance and reliable grounding**. Its robust design **minimizes signal degradation** over long cable runs. This connector is widely **implemented in analog video surveillance (CCTV) networks, cable television (CATV) distribution systems, broadcast equipment, and legacy telecom installations** requiring reliable **75-ohm infrastructure** transitions.



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
Ferrule	Copper Alloy	Gold/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
Cable Type Compatibility	RG59	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-