

SMA M RA CRIMP for RG11 Cable

P/N: AT3S7D-6Z

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Crimp
- Cable : RG11
- Application : General Purpose/Telecom etc



This heavy-duty **SMA Male Right-Angle (RA) crimp connector for RG11 Cable** is designed to provide a secure, high-reliability termination for thick, low-loss RG-11 coaxial cables. The **90-degree right-angle design** allows for efficient cable routing in tight enclosures or behind racks, preventing structural strain and micro-cracks on the cable's heavy jacket. Engineered with a **durable crimp termination**, it delivers **excellent electrical conductivity and high vibration resistance** for long-term deployments. Key applications include **broadband communication networks, cellular base stations, RF test and measurement laboratories, satellite ground systems, and industrial telemetry infrastructure** requiring stable high-frequency performance over long distances.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	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/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	RG11 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-