

SMA M RA SOLDER for RG405/Semi-rigid .086 Cable

P/N: AT3S3S-6B

Product Feature:

- Connector Type : SMA
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Solder
- Cable : Semi-rigid .086/RG405
- Application : General Purpose/Telecom etc



The **SMA Male Right Angle Solder Connector for Semi-Rigid .086/RG405 Cable** is a compact and reliable RF connector designed for efficient **high-frequency signal transmission** in space-constrained applications. **Compatible with Semi-Rigid .086 and RG405 cables**, it features a right-angle design that allows flexible cable routing while **maintaining excellent electrical performance and low signal loss**. The solder-type termination ensures a strong and stable connection for long-term durability. Commonly **used in telecom equipment, RF modules, antennas, wireless communication systems, aerospace electronics, microwave applications, and laboratory testing setups**.

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 12	GHz
VSWR	≤ 1.20	@DC-6 GHz
	≤ 1.30	@8-10 GHz
Insertion Loss	≤ 0.2	@DC-8 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	≤ -80	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Brass	Gold
Outer Conductor/Body	Brass	Gold
Coupling Nut	Brass	Gold
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	Semi-rigid .086/RG405 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-