

SMA M RP SOLDER for Semi-rigid .141/RG402 Cable

P/N: AT3S1S-6A2

Product Feature:

- Connector Type : SMA
- Polarity : Reverse Polarity
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Solder
- Cable : Semi-rigid .141/RG402
- Application : General Purpose/Telecom etc

The **SMA Reverse Polarity Male Solder Connector for Semi-Rigid .141/RG402 Cable** is a high-quality RF connector engineered for secure and efficient **high-frequency signal transmission**. **Designed for Semi-Rigid .141 and RG402 cables**, it features a reverse polarity interface that enhances compatibility and connection security in specialized RF applications. The solder-type construction ensures **strong mechanical bonding, low insertion loss, and reliable electrical performance**. Commonly used in **wireless communication systems, Wi-Fi equipment, antennas, RF testing setups, telecom infrastructure, aerospace, and microwave applications**, this connector provides stable operation in demanding environments.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 12	GHz
VSWR	≤ 1.15	@DC-6 GHz
	≤ 1.25	@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/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	Semi-rigid .141/RG402 Cable	-
Operating Temperature	-50 ~ 125	°C
Compliance	ROHS	-