

N M RA Solder for Semi-rigid .141/RG402 Cable

P/N: AT3N3S-6A

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Right Angle (90°)
- Termination Style : Solder
- Cable : Semi-rigid .141/RG402
- Application: General Purpose/Telecom etc.

The **N Male Right Angle (RA) Solder Connector** for **.141" Semi-rigid and RG402** cables is a high-precision RF component engineered for **superior microwave performance**. By utilizing a **direct-solder attachment** for both the center conductor and the solid outer jacket, it establishes a seamless, high-conductivity bond that ensures exceptional phase stability and minimal signal leakage. This connector is predominantly used in **high-frequency test equipment** and **satellite communication payloads**. Its right-angle design allows for low-profile cable routing in compact modules, while gold-plated contacts provide a durable, low-loss interface reaching **12 GHz**.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 8	GHz
VSWR	≤ 1.20	@DC-4 GHz
	≤ 1.25	@3-6 GHz
Insertion Loss	≤ 0.05	@DC-5 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 2.5	kVrms
Inner Conductor Resistance	≤ 1.0	m Ω
Outer Conductor Resistance	≤ 0.25	m Ω
PIM	≤ -155	dBc@(2x43dBm)
RF Leakage	≤ -85	dB @3GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor bronze	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Coupling Nut	Brass	Nickel
Dielectric	PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Coupling nut torque	25/30	Nm
Cable Type Compatibility	Semi-rigid .141/RG402 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-

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