

N M Solder for Semi-rigid .086/RG405 Cable

P/N: AT3N1S-6B

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Solder
- Cable : Semi Rigid .86 / RG405
- Application : General Purpose/Military



The **N-Type Male Solder Connector** is a high-precision, **50-ohm** RF component specifically engineered for **.86" semi-rigid and RG405** coaxial cables. Featuring a direct-solder body interface, it ensures a 360-degree electrical bond for **superior EMI/RFI shielding** and exceptional phase stability up to 8 GHz. Its threaded, weatherproof design makes it ideal for mission-critical applications, including **satellite communications, base stations, and high-performance microwave test equipment.**

Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 6	GHz
VSWR	≤ 1.15	@DC-3 GHz
	≤ 1.2	@3-5 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
Power Handling	1.0	kW @1GHz
RF Leakage	≤ -90	dB @1GHz



Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphorous bronze	Nickel
Outer Conductor/Body	Brass	Tri-Alloy
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 .86/RG405 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-