

N F BH Solder for RG141 Cable

P/N: AT3N2SB-6W

Product Feature:

- Connector Type : N Type
- Polarity : Standard
- Gender : Female/Jack
- Geometry : Straight Bulkhead
- Termination Style : Solder
- Cable : RG141
- Application : General Purpose/Military

The **N-Type Female Bulkhead (BH) Solder Connector** is a high-precision RF interface specifically designed for **RG141** coaxial cables. This connector utilizes a threaded bulkhead body with a mounting nut to create a secure, grounded pass-through on panels or chassis. The solder-type termination ensures a low-resistance, stable connection capable of maintaining high signal integrity at microwave frequencies. It is commonly employed in **high-performance test equipment, military communication racks, and medical imaging systems.**



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	Gold
Outer Conductor/Body	Brass	Tri-Alloy
Coupling Nut	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	RG141 Cable	-
Operating Temperature	-40 ~ 85	°C
Ingress Protection (IP Rating)	IP67	-
Compliance	ROHS	-

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