

## BNC M RP CRIMP for BT3002 Cable

P/N: AT3B1D-4S2

### Product Feature:

- Connector Type : BNC
- Polarity : Reverse Polarity
- Gender : Male/Plug
- Geometry : Straight
- Termination Style : Crimp
- Cable : BT3002
- Application : General Purpose/Telecom etc

The **BNC Male Reverse Polarity (RP) Crimp Connector** for **BT3002 cable** is a precision-engineered RF component designed for high-density telecommunications. Specifically tailored for the slim profile of **BT3002 coaxial cables**, it features a **reverse polarity interface** to ensure specialized connectivity. Its robust **crimp-style termination** provides a vibration-resistant bond and **excellent electrical continuity**. Ideal for **DS3/DS4 high-speed data links** and **central office switching**, it maintains a stable **75-ohm impedance** with **minimal signal attenuation** for mission-critical infrastructure.



### Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	75	$\Omega$
Frequency Range	DC ~ 4	GHz
VSWR	$\leq 1.15$	@DC-2 GHz
	$\leq 1.30$	@2-4 GHz
Insertion Loss	$\leq 0.2$	@DC-4 GHz
Insulation Resistance	$\geq 5000$	M $\Omega$
Dielectric Withstanding Voltage	$\geq 1.5$	kVrms
Inner Conductor Resistance	$\leq 1.0$	m $\Omega$
Outer Conductor Resistance	$\leq 0.25$	m $\Omega$
Power Handling	300	W @1GHz
RF Leakage	$\leq -55$	dB @1GHz



## Technical Data Sheet

Material & Plating		
Component	Material	Plating
Center Conductor	Phosphor Copper	Gold
Outer Conductor/Body	Brass	White Bronze
Ferrule	Annealed Copper	Nickel
Fastening Nut	Brass	Tri-Alloy
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Contact Captivation	≥ 27	N
Coupling Nut Torque	7 - 28	Ncm
Coupling Nut Retention Force	≥ 450	N
Cable Type Compatibility	BT3002 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-