

BNC F RP CRIMP for LMR100/RG174/RG316 Cable

P/N: AT3B2D-4C2

Product Feature:

- Connector Type : BNC
- Polarity : Reverse Polarity
- Gender : Female/Jack
- Geometry : Straight
- Termination Style : Crimp
- Cable : LMR100/RG174/RG316
- Application : General Purpose/Telecom etc

The **BNC Female Reverse Polarity (RP) Crimp Connector** for **LMR100, RG174, and RG316** cables is a specialized 50-ohm RF component designed for secure, low-profile connectivity. It features a **reverse polarity interface** (male center pin in a female housing) to meet specific regulatory requirements for wireless equipment. The precision **crimp-style termination** ensures a gas-tight, vibration-resistant bond on thin coaxial cables. Key applications include **Wi-Fi antennas, wireless routers, GPS modules, and RF test equipment** where signal integrity and specialized mating are essential.



Electrical Specifications

Parameter	Value	Unit
Characteristic Impedance	50	Ω
Frequency Range	DC ~ 4	GHz
VSWR	≤ 1.15	@DC-2 GHz
	≤ 1.30	@2-4 GHz
Insertion Loss	≤ 0.2	@DC-4 GHz
Insulation Resistance	≥ 5000	M Ω
Dielectric Withstanding Voltage	≥ 1.5	kVrms
Inner Conductor Resistance	≤ 1.0	m Ω
Outer Conductor Resistance	≤ 0.25	m Ω
Power Handling	300	W @1GHz
RF Leakage	≤ -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	Tri-Alloy
Dielectric	Teflon/PTFE	-
Gasket	Silicone rubber	-

Mechanical & Environmental Specifications		
Parameter	Value	Unit
Durability (Matings)	≥ 500 min.	-
Contact Captivation	≥ 27	N
Cable Type Compatibility	LMR100/RG174/RG316 Cable	-
Operating Temperature	-40 ~ 85	°C
Compliance	ROHS	-