

LT-NM-RG214-RAC

N Male Right Angle Connector for RG214 Cable, Crimp Type

The Lamatel LT-NM-RG214-RAC is a Type N male right angle connector, engineered for use with RG214 coaxial cables. Designed for robust RF connections, it delivers reliable performance in high-frequency signal applications. Ideal for telecommunications, test equipment, and wireless systems, this connector ensures strong mechanical stability and minimal signal loss.

Key Features

- Type N male connector for RG214 coaxial cable
- Crimp-style design for secure and efficient termination
- Durable metal housing for enhanced mechanical strength
- Low signal loss with consistent impedance (50 ohms)

Key Highlights

- Nickel-plated finish for excellent corrosion resistance
- Gold-plated center pin for superior conductivity
- Supports frequency ranges up to 11 GHz
- Designed to maintain low VSWR for optimal signal quality

Applications

- Cellular base stations and antenna systems
- RF and microwave communication setups
- Broadcast transmission equipment
- Military and aerospace communication systems



Specifications

Product Description	
LT-NM-RG214-RAC	N Male Right Angle Connector for RG214
Material and Plating	
Center Contact	Brass / Gold Plating
Outer Contact & Body	Brass / Nickel Plating
Dielectric	PTFE
Gasket	Silicon Rubber
Electrical Characteristics	
Characteristic Impedance	50 Ohm
Frequency Range	DC~11GHz
Insulation Resistance	≥5000MΩ
Center Contact Resistance	≤1.0 mΩ
Outer Contact Resistance	≤0.4 mΩ
Dielectric Strength	2500V rms (AC)
Working Voltage	1000V rms
Insertion Loss	≤0.15dB@3GHz
VSWR	≤1.1@DC~1.0GHz
	≤1.2@DC~3.0GHz
Environmental and Mechanical Specifications	
Mating Durability	≥500 cycles
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition G
Vibration Test Method	MIL-STD-202, Meth. 204, Cond. B
The Size of Crimp Tool	0.429 inch
Suitable cables	RG214
Temperature Range	-65°C to +165°C
RoHS	Compliant

