

# LT-SMAM-RG316-C

## SMA Male Connector for RG316 Cable, Crimp Type

The LT-SMAM-RG316 is a high-precision SMA Male Connector designed for RG316 coaxial cables, ensuring stable connectivity and excellent electrical performance. With its threaded coupling mechanism, it provides a secure, low-loss RF connection, making it ideal for wireless communication systems, test equipment, antennas, GPS, and RF modules.

Built with durable, corrosion-resistant materials, this connector offers long-term reliability for both indoor and outdoor applications, while maintaining strong signal integrity in high-frequency environments.

### Key Features

- Designed for RG316 coaxial cable
- Standard SMA Male threaded interface
- Low VSWR for minimal signal loss
- Excellent performance at high frequencies
- Durable, corrosion-resistant construction

### Key Highlights

- Optimized for high-frequency RF systems
- Provides stable, low-loss connections
- Compact size for space-limited applications
- Reliable performance in GPS, test, and wireless setups
- Built for durability in both indoor and outdoor use

### Applications

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



### Specifications

PART NUMBER	LT-SMAM-RG316-C
Description	SMA Male Connector RG316 Cable, Crimp Type
<b>Material and Plating</b>	
Center Contact	Beryllium Copper or Brass/ Gold Plating
Outer Contact & Body	Brass / Gold Plating
Insulator (Dielectric)	PTFE
Gasket	Silicon Rubber
<b>Electrical Specifications</b>	
Characteristic Impedance	50 Ohm
Frequency Range	DC~11GHz
Insulation Resistance	≥5000MΩ
Center Contact Resistance	≤4 mΩ
Outer Contact Resistance	≤2 mΩ
Outer Contact	≥5000MΩ
Dielectric Strength	1500V rms (AC)
Working Voltage	500V rms
Insertion Loss	≤0.15dB@3GHz
VSWR	≤1.3@DC~3.0GHz
<b>Environmental &amp; Mechanical Specifications</b>	
Mating Durability	≥500 cycles
Thermal Shock Test Method	MIL-STD-202, Method 213, Test Condition G
Vibration Test Method	MIL-STD-202, Meth. 204, Cond. B
Suitable Cables	RG316
Temperature Range	-45°C to +85°C
RoHS	Compliant

