

LT-4310SM-1-1/4

4.3-10 Straight Male Connector for 50-33 Flexible RF Cable

The LT-4310SM-1-1/4 is a high-performance 4.3-10 Male Connector designed for use with 1-1/4" coaxial cables. Engineered for low PIM and excellent RF performance, this connector is ideal for modern telecommunications networks, including 5G, LTE, and DAS systems.

Its compact and rugged design allows for secure, low-loss connections in both indoor equipment and harsh outdoor environments, ensuring long-term reliability in high-frequency, high-power signal transmissions.

Key Features

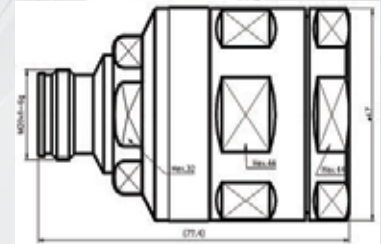
- Compatible with 1-1/4" coaxial cables
- 4.3-10 male interface
- Low Passive Intermodulation (PIM)
- Excellent VSWR and return loss
- Compact and lightweight construction
- Corrosion-resistant and weatherproof
- Easy and secure installation
- High power and frequency handling

Applications

- Telecommunications base stations
- Broadcast and antenna systems
- RF transmission lines and feeders
- Outdoor wireless communication setups
- Industrial high-frequency equipment
- Signal distribution networks in critical infrastructure

Ordering Information :

The LT-4310SM-1-1/4 belongs to the High-Performance RF Connector Series (50 Ω , DC-3.8 GHz, low-PIM, IP68 sealing).



Specifications

Inner Conductor	Brass / Silver Plating	
Outer Conductor & Body	Brass / Trimetal Plating	
Insulator	TPX	
Gasket	Silicon Rubber	
Nut	Brass / Trimetal Plating	
Electrical Specifications		
Characteristic Impedance	50 Ohm	
Interface Frequency Range	DC~3.8GHz	
Insulation Resistance	≥5000MΩ	
Dielectric Withstanding	2500V rms	
Operating Voltage	1400V rms	
Center Contact Resistance	≤1.00 mΩ	
Outer Contact Resistance	≤0.6 mΩ	
Insertion Loss	@DC-3.8 GHz	≤0.1dB
	@0.8-1.0 GHz	≤1.10
	@1.7-3.0 GHz	≤1.13
	@3.0-3.8 GHz	≤1.15
PIM3 (2*43dBm)	@1800MHz	≤-160dBc
Environmental & Mechanical Specifications		
Mating Durability	≥500 cycles	
Mechanical Shock Test Method	MIL-STD-202, Method 213, Test Condition D	
Vibration Test Method	MIL-STD-202, Meth. 204, Cond. A	
Temperature Range	-45°C to +85°C	
RoHS	Compliant	
Sealing Class	IP68 24hr, 1m, 20 C	
Regulatory Compliance / Certification		
ISO 9001:2015	Compliant	

