LT-RF4G500WANMF

500W RF Attenuator for Wideband Solutions

The LT-RF4G500WANMF is a high-power attenuator designed to handle up to 500 watts of power and operate across a wide frequency range from DC to 4 GHz. It features precise attenuation and low VSWR, making it ideal for testing and measurement in wireless communication systems, including 2G, 3G, 4G, and LTE networks. This attenuator is robustly designed for both indoor and outdoor applications, with an N-Male to N-Female connector configuration.

Key Features

- Wide Frequency Band: Operates from DC to 4 GHz, suitable for multiple wireless technologies.
- High Power Handling: Supports up to 500 watts of average power.
- Low VSWR: 1.25 for efficient signal handling and minimal reflection.
- Attenuation Options: Available in 20dB, 30dB, and 40dB configurations with high accuracy.
- N-Male to N-Female Connectors: Ensures reliable connectivity and durability.
- Temperature Range: Operates in extreme environments from -55°C to +125°C.
- Versatile Usage: Widely used in testing environments for precise power control.

Key Highlights

- Compact and durable for field or lab use
- Stable performance across full frequency range
- Efficient heat dissipation for continuous operation
- High accuracy in all attenuation levels
- Suitable for telecom, defense, and RF testing
- Reliable N-type connectors with low signal loss
- Long-lasting with minimal performance drop

Applications

- Wireless Communication Systems
- In-building Communication Solutions
- Laboratory Testing and Measurement
- Network Deployment and Maintenance

Specifications

Parameter	Value
Model Number	LT-RF4G500WANMF
Frequency Range	DC - 4 GHz
Power Handling	500W
Attenuation	20dB/30dB/40dB
Attenuation Accuracy	±1.2/1.0/1.0
VSWR	1.25
Impedance	50 Ohms
Connector Type	N-Male to N-Female
Color	Black
Operating Temperature	-55°C to +125°C
Applications	Testing, Wireless Communication (2G/3G/4G/LTE)