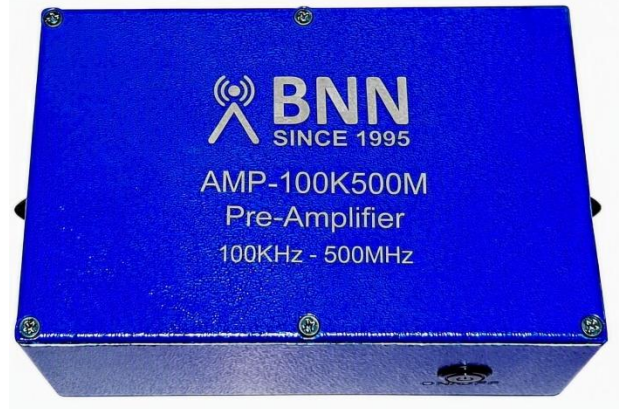


Features

- **Pre-Amplifier for Shielding effectiveness, EMC /EMI Testing**
- **Frequency Range: 100KHz-500MHz**
- **Noise Figure 2.9 dB**
- **Impedance - 50Ω (Nominal)**
- **VSWR 1.6 (Max) at input/output ports**
- **Connectors SMA**
- **Max Input Power +5 dBm**



Description

The AMP-100K500M is a low noise, wide-band pre-amplifier with a large dynamic range. It has an excellent performance from 100KHz-500MHz with a nominal gain of 24dB. The pre-amplifier increases sensitivity of field strength measurements and is specifically designed for extremely sensitive measurements up-to 500 MHz.

The Pre-amplifier has max input power (no damage) of +5 dBm.

The pre-amplifier finds application in EMC Emission, Shielding Effectiveness, and Radio Interference measurements.

Due to the built-in rechargeable battery, operation without power supply is possible for approx. 5h

Note: Operating Unit without load is not recommended

Specifications*

Model	AMP-100K500M
Frequency Range	100KHz-500MHz
Typical Gain	24dB
Noise Figure	2.9 dB
Impedance	50Ω (Nominal)
Connectors	SMA Female
Power Supply	Using 230V-50Hz adapter with output 16V, 0.3A DC
VSWR	1.6 (Max) at input/output ports
Dimensions	189x120x83mm
Weight	600g
Max Input Power	+ 5 dBm
Applications	Radiated Emissions / Shielding Effectiveness
Operating temp	-20 to 71 deg

* Nominal values, subject to change without notice.

Typical Gain Chart