

Features

- **Pre-Amplifier for Shielding effectiveness, EMC /EMI Testing**
- **Frequency Range: 10MHz-6 GHz**
- **Impedance - 50Ω (Nominal)**
- **Return Loss better than 30 dB I/O ports.**
- **Connectors SMA Female**
- **Max Input Power +10 dBm**



Description

The AMP-10M6G2 is a low noise, wide-band pre-amplifier with a large dynamic range. It has an excellent performance from 10MHz-6 GHz with a nominal gain of 30dB. The pre-amplifier increases sensitivity of field strength measurements and is specifically designed for extremely sensitive measurements up-to 6GHz.

The Pre-amplifier has max input power (no damage) of +10 dBm.

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

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

Specifications*

Model	AMP-10M6G2
Frequency Range	10MHz - 6 GHz
Typical Gain	>30dB
Noise Figure	50MHz-6GHz (Typ:4, Max:5)
Impedance	50Ω (Nominal)
Connectors	SMA Female
Power Supply	Using 230V-50Hz adapter with output 15V, 0.3A DC
Return Loss	better than 10 dB I/O ports
Dimensions	120 x 95 x 58mm
Weight	600g
Max Input Power	+ 10 dBm
Environment	Operating -40- +85 deg Storage -55 to +100 deg
Applications	Radiated Emissions / Shielding Effectiveness

* Nominal values, subject to change without notice.

Typical Gain Chart

