

Features

- *Pre-Amplifier for Shielding effectiveness, EMC /EMI Testing*
- *Frequency Range: 1 - 20 GHz*
- *Gain: 29 ± 2.5 dB typ. from 1 to 20 GHz*
- *Noise Figure 2 dB @ 8 GHz*
- *Impedance - 50Ω (Nominal)*
- *Return Loss better than 11 dB I/O ports.*
- *Connectors SMA Female*
- *Max Input Power +0 dBm*



Description

The AMP-020G is a low noise, wide-band pre-amplifier with a large dynamic range. It has an excellent performance from 1-20 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 20 GHz.

The Pre-amplifier has max input power (no damage) of +0 dBm.

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

Specifications*

Model	AMP-020G
Frequency Range	1 - 20 GHz
Gain	29 ± 2.5 dB @ 1-20 GHz
Noise Figure	2.0 dB @ 8 GHz
Impedance	50Ω (Nominal)
Connectors	SMA Female
Power Supply	Using 230V-50Hz adapter with output 12V, 0.5A DC
VSWR	1.8
Dimensions	120 x 95 x 58mm
Weight	600g
Max Input Power	0 dBm
Applications	Radiated Emissions / Shielding Effectiveness

* Nominal values, subject to change without notice.

Typical Gain Chart