



PA 3010 set

Pre-amplifier
10 MHz up to 10 GHz

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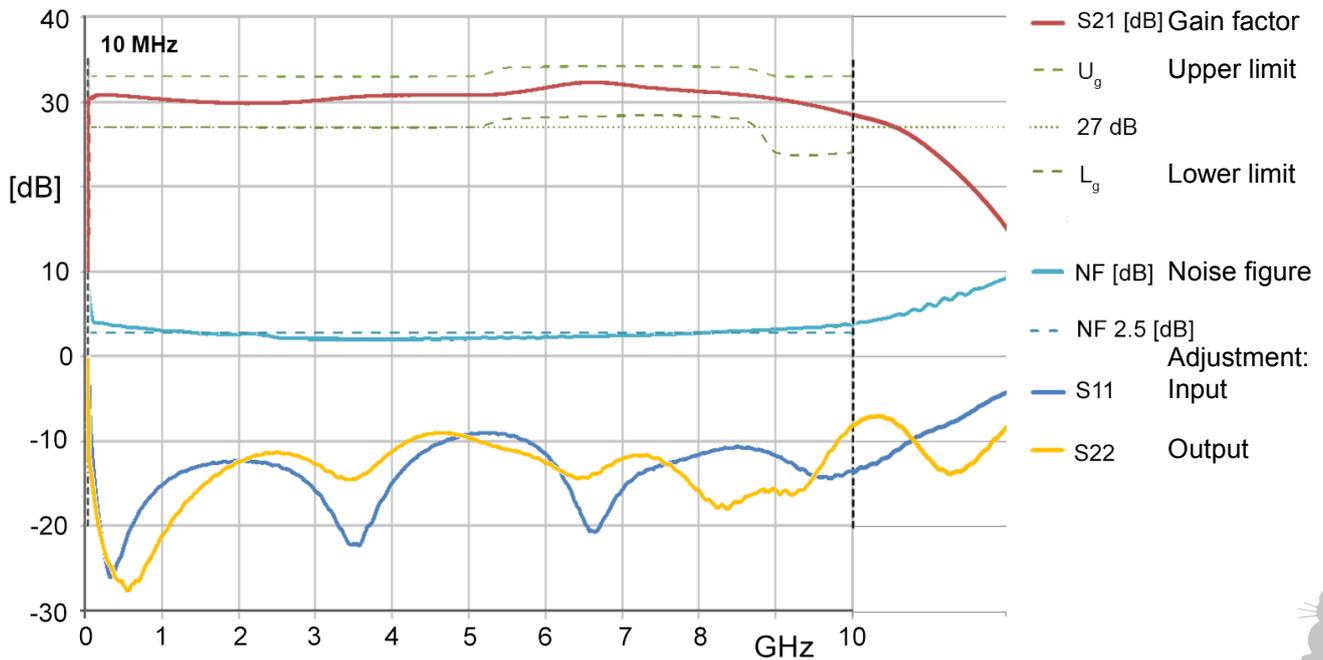


Short Description

The PA 3010 pre-amplifier is used to amplify weak measurement signals, e.g. from near-field probes. It is characterized by low noise behavior and a constantly high dynamic range over a wide frequency range (10 MHz to 10 GHz).

The PA 3010 is connected to the 50 Ω input of a spectrum analyzer or oscilloscope. The PA 3010 is powered by a provided plug-in power supply. The pre-amplifier can be used, for example, to amplify the measurement signals of the Langer near-field probes. For this purpose, a near-field probe with a suitable frequency range and corresponding cable is connected to the input of the pre-amplifier.

Typical frequency response and noise figure of the PA 3010



PA 3010 Technical Parameters

Frequency range	10 MHz - 10 GHz
Amplification	typ. 30 dB
-1dB compression point	typ. 18 dB at 5 GHz
Noise figure	typ. 2.5 dB at 5 GHz
Current input	170 mA
Connections (Connectors)	SMA male / female
Sizes (L x B x H)	(38 x 50 x 14) mm

