

## Data sheet

**LANGER**  
EMV-Technik

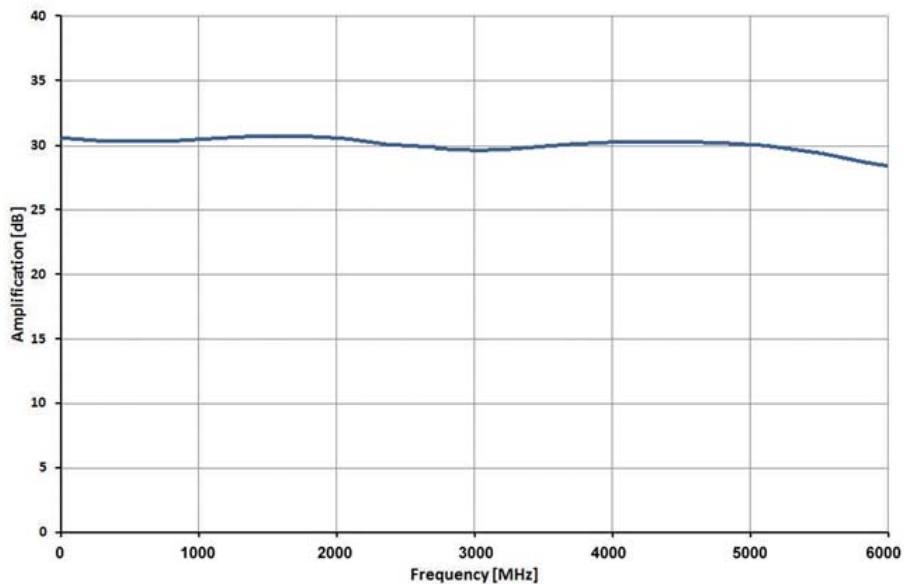


### PA 306 SMA preamplifier 100 kHz up to 6 GHz

**Frequency range:** 100 kHz - 6 GHz  
**Amplification:** 30 dB  
**-1dB compression point:** -20 dBm  
**Noise figure:** 3 dB  
**Supply voltage :** 12 V DC  
**Current input:** 100 mA  
**Max. input power:** +13 dBm  
**Sizes (L x W x H):** (50 x 38 x 13) mm  
**Weight:** 50 g

The PA 306 serves for amplifying weak measurement signals, for example from near-field probes or antennas. It is distinguished by low noise output and a high dynamic scope over a wide frequency range.

The PA 306 is connected to the 50  $\Omega$  input of a spectrum analyzer or oscilloscope. The power supply to the PA 306 is via the plug-in power supply unit. A near-field probe is connected with the corresponding cable to the input of the preamplifier.



Frequency response of the PA 306 up to 6 GHz