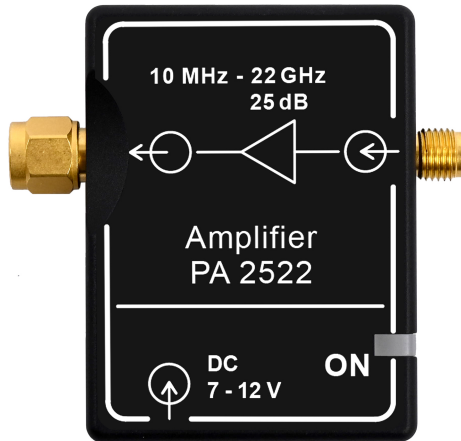


# PA 2522

Preamplifier 10 MHz up to 22 GHz



## Short description

The PA 2522 preamplifier 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 very wide frequency range.

The PA 2522 should be connected to the 50  $\Omega$  input of a spectrum analyzer or oscilloscope. The preamplifier is powered by the power adapter, which is included in the case. The PA 2522 can be used, for example, to amplify the measurement signals of the Langer near-field probes. To achieve this, a near-field probe with a suitable frequency range and corresponding cable should be connected to the input of the preamplifier.

## Technical parameters

Frequency range	10 MHz - 22 GHz
Supply voltage	7 - 12 V DC
Gain	typ. 25 dB
-1dB compression point (output)	typ. 15 dB (at 10 GHz)
Noise figure	typ. 3 dB (at 10 GHz)
Current input	190 mA
Max. input power	15 dBm
Weight	60 g
Sizes (L x W x H)	(50 x 38 x 14) mm

Frequency response

