

AMP100 - Variable-gain amplifier



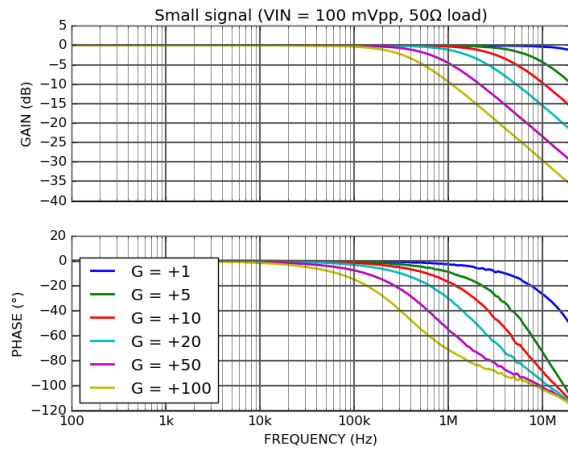
Koheron AMP100 is a ± 15 V voltage amplifier with adjustable gain.

Specifications

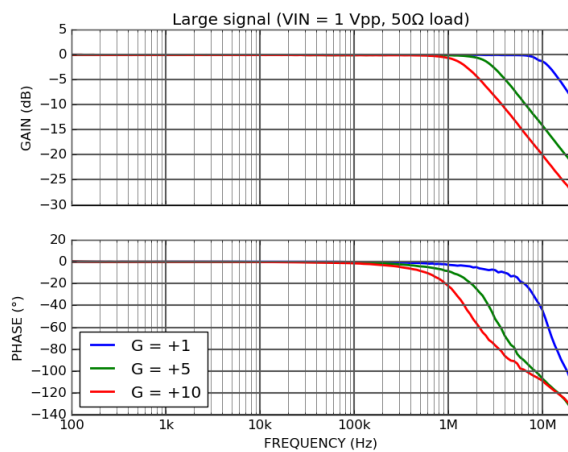
	AMP100
Supply voltage range	± 5 V to ± 16 V
Supply current	8.5 mA
Gain range	1.05 to 20
3 dB bandwidth (gain = 10)	2 MHz
Input-referred voltage noise (1 kHz)	< 3 nV/ $\sqrt{\text{Hz}}$
Slew rate	55 V/ μs
Output voltage swing	± 12 V (± 15 V supply)
Input impedance	50 Ω
Output impedance	50 Ω
Outside dimensions	50 mm x 33 mm x 14 mm
Weight	11 g

Frequency response

Small signal



Large signal



Input noise

Input voltage noise density measured for a gain of 10.

