

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



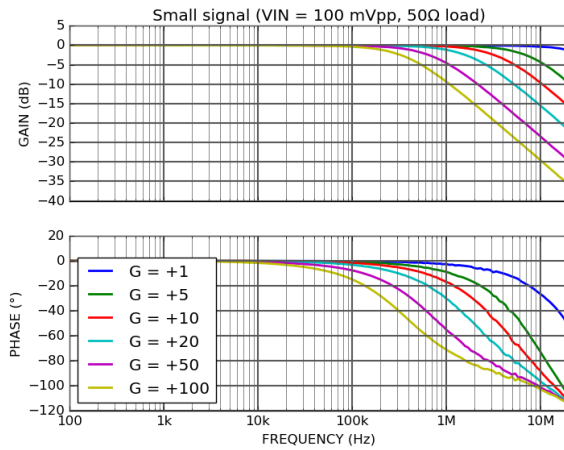
Specifications

AMP100

Gain, Bandwidth	
Gain range	1.05 to 20
3 dB bandwidth (gain = 10)	2 MHz
Input	
Input-referred voltage noise (1 kHz)	< 3 nV/ $\sqrt{\text{Hz}}$
Input impedance	50 Ω
Coupling	DC
Output	
Output voltage range (± 15 V supply)	-12 V to 12 V
Slew rate (high impedance)	60 V/ μs
Slew rate (50 Ω)	10 V/ μs
Output impedance	50 Ω
Power supply	
Positive supply voltage	5 V to 16 V
Negative supply voltage	-16 V to -5 V
Quiescent current per rail	10 mA
Other	
Outside dimensions	50 mm x 33 mm x 14 mm
Weight	11 g
Operating temperature	-20 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$

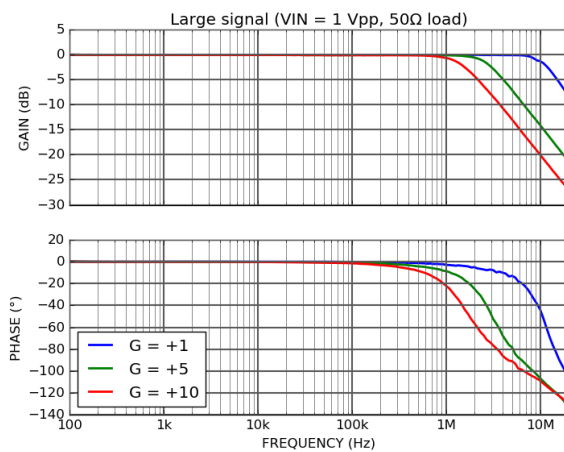
Frequency response

Small signal



AMP100 small signal frequency response

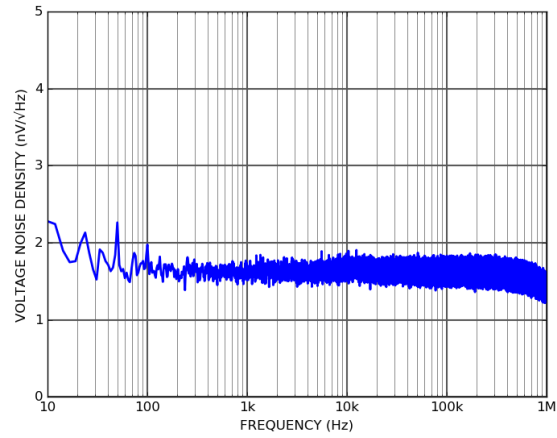
Large signal



AMP100 large signal frequency response

Input noise

Input voltage noise density measured for a gain of 10.



AMP100 input voltage noise density

Ordering codes

PRODUCT NUMBER

ATTRIBUTE

AMP100