

<https://github.com/blinken/power-rail-probe>

	LMP7731	OPA322
Input voltage noise density	2.90	8.50 nV/ $\sqrt{\text{Hz}}$
Input current noise density	2.2000	0.0006 pA/ $\sqrt{\text{Hz}}$
R2	50	1 k $\Omega$
R3	50	1 k $\Omega$
R5	5	k $\Omega$
Input source resistance	4.17	0.50 k $\Omega$
Input noise density due to current	9.17	0.00 nV/ $\sqrt{\text{Hz}}$
Input Johnson noise density	8.28	2.87 nV/ $\sqrt{\text{Hz}}$
Gain	-1.00	-1.00
Noise density, previous stage		12.69 nV/ $\sqrt{\text{Hz}}$
Amplifier output noise density	12.69	15.54 nV/ $\sqrt{\text{Hz}}$
R7 Johnson noise density	0.41	nV/ $\sqrt{\text{Hz}}$
Total opamp noise density	15.55	nV/ $\sqrt{\text{Hz}}$
Low-frequency path bandwidth	1.25	MHz
1/f noise	9.59	$\mu\text{V rms}$
Amplifier noise	17.38	$\mu\text{V rms}$
Total low-frequency path noise	19.85	$\mu\text{V rms}$
High-frequency path bandwidth	1,000.00	MHz
R1 Johnson noise density	0.41	nV/ $\sqrt{\text{Hz}}$
Total high-frequency path noise	12.83	$\mu\text{V rms}$
<b>Total system noise</b>	<b>23.64</b>	<b><math>\mu\text{V rms}</math></b>

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	LMP7731	TLV9061
Input voltage noise density	2.90	16.00 nV/ $\sqrt{\text{Hz}}$
Input current noise density	2.20	0.02 pA/ $\sqrt{\text{Hz}}$
R2	50	1 k $\Omega$
R3	50	1 k $\Omega$
R5	5	k $\Omega$
Input source resistance	4.17	0.50 k $\Omega$
Input noise density due to current	9.17	0.01 nV/ $\sqrt{\text{Hz}}$
Input Johnson noise density	8.28	2.87 nV/ $\sqrt{\text{Hz}}$
Gain	-1.00	-1.00
Noise density, previous stage		12.69 nV/ $\sqrt{\text{Hz}}$
Amplifier output noise density	12.69	20.62 nV/ $\sqrt{\text{Hz}}$
R7 Johnson noise density	0.41	nV/ $\sqrt{\text{Hz}}$
Total opamp noise density	20.63	nV/ $\sqrt{\text{Hz}}$
Low-frequency path bandwidth	1.25	MHz
1/f noise	18.05	$\mu\text{V rms}$
Amplifier noise	23.06	$\mu\text{V rms}$
Total low-frequency path noise	29.29	$\mu\text{V rms}$
High-frequency path bandwidth	1,000.00	MHz
R1 Johnson noise density	0.41	nV/ $\sqrt{\text{Hz}}$
Total high-frequency path noise	12.83	$\mu\text{V rms}$
<b>Total system noise</b>	<b>31.98</b>	<b><math>\mu\text{V rms}</math></b>