$G_2 = 5000$ ✓ × 100

$G_1 : \left(1 + \frac{R_f}{R_{in}}\right)$, $R_f = 10K$

$R_{in} = 200$

Sensitive to sound vibrations
and table vibrations

Low Pass

Low Pass	V_{out}	Error (v)
100 KHz	1.726 V	± 1 mV
33 KHz	0.575 v	± 2 mV
10 KHz	177 mV	± 2 mV
3.3 KHz	65.4 mV	± 1 mV
1 KHz	24.6 mV	± 0.8 mV
330 Hz	12.1 mV	± 0.4 mV

$$I = \frac{V}{R} = \frac{V}{10K} = V \times 10^{-4}$$

V in mV so

$I = V' \times 10^{-3} \times 10^{-4}$

$= V' \times 10^{-7}$ A

$V' \times 10 \le 100$

$V' \le 10$

$\boxed{I = V' \times 10 \; \mu A}$

Low pass : 10 KHz

I_{dc}	V_{out}	Error
10 μA	72.2	± 0.2 mV
20 μA	73.8	± 0.2 mV
30 μA	74.3	± 0.2 mV
40 μA	75.1	± 0.4 mV
50 μA	75.8	± 0.1 mV
60 μA	76.4	± 0.1 mV

I_{dc}	V_{out}	Error
70 μA	77.5	± 0.1 mV
80 μA	78.4	± 0.2 mV
90 μA	79.3	± 0.2 mV
100 μA	80.5	± 0.2 mV