



$$\frac{10}{3V3} = 3.0303$$

$$V = 2Z$$

$$Z = \frac{V_{in}}{R_1 + R_2}$$

Pin	5
4	V+
8	V-
2	I _A +
3	I _A -
6	Le _t

$R_2 = 10k$

$$V_2 = 2R_2$$

$$V_2 = \frac{R_2 \cdot V_{in}}{R_1 + R_2}$$

$$\frac{V_{in}}{V_2} = \frac{R_1 + R_2}{R_2}$$

$$3.0303 = \frac{R_1 + R_2}{R_2}$$

$$\frac{V_{in}}{V_{out}} = 3.0303$$

$$V_{in} = V_{out}$$

$$\frac{V_{out}}{V_{in}} = 3.0303$$

$$R_1 = (3.0303 \cdot R_2) - R_2$$