



$$VO = VR - (VI \times ((R3 + R2) / R2) \times (D / 256))$$

$$VR = 2.50V$$

$$VI = 0 \text{ to } 0.06$$

$$R3 = 37.4K$$

$$R2 = 1.00K$$

$$R1 = R3 \parallel R2 = 976$$

$$\text{For } D = 255, VO = 2.50 - (VI \times 38.25)$$

$$\text{For } VI = 0, VO = 2.50$$

$$\text{For } VI = 0.06, VO = 0.205$$

Gain Control Circuit V01