

$$I_{R1} = \frac{2}{2K7} = 0.74 \text{ mA}$$

$$I_{R2} = \frac{2.3}{2K7} = \frac{0.85}{\text{mA}} \text{ mA}$$

$$I_{R3} = \frac{3.5}{1K0} = 3.5 \text{ mA}$$

$$I_{\text{CHAIN}} = \frac{2.5}{52050R} = 0.048 \text{ mA}$$

$$I_{\text{LOAD (WORST)}} = \frac{50\text{mV}}{10K} = 0.005 \text{ mA.}$$

$$I_{\text{BATTERY (ACTUAL)}} \approx 4.8 \text{ mA}$$

Duracell DL1620 70mAh.

$$\therefore \text{For } 60\text{H}, I = \frac{70}{60} = 1170\mu\text{A}.$$

$$I_{\text{LOAD}} (\text{WORST CASE}) = \frac{50\text{mV}}{10\text{K}} = 5\mu\text{A}$$

1165

$$I_{\text{CHAIN}} (10 \times I_{\text{LOAD}}) = 48\mu\text{A}$$

1117

$$I_{\text{REF}} (\text{MIN } 20\mu\text{A}) = 40\mu\text{A}$$

1077