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- Digital Still Cameras
- Handheld Devices

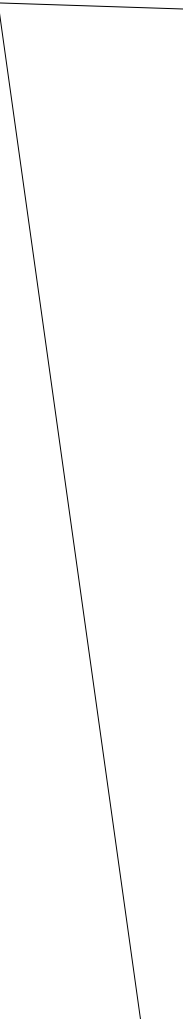
1. Typical application circuit with external components is shown in Figure 1.

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TYPICAL PERFORMANCE CHARACTERISTICS

( $V_{IN} = 3.6\text{ V}$ ,  $PWM = V_{IN}$ ,  $I_{OUT} = 120\text{ mA}$  (6 LEDs at 20 mA),  $C_{IN} = C_{OUT} = C_1 = C_2 = 1\text{ }\mu\text{F}$ ,  $C_{PWM} = 47\text{ nF}$ ,  $T_{AMB} = 25^\circ\text{C}$  unless otherwise specified.)

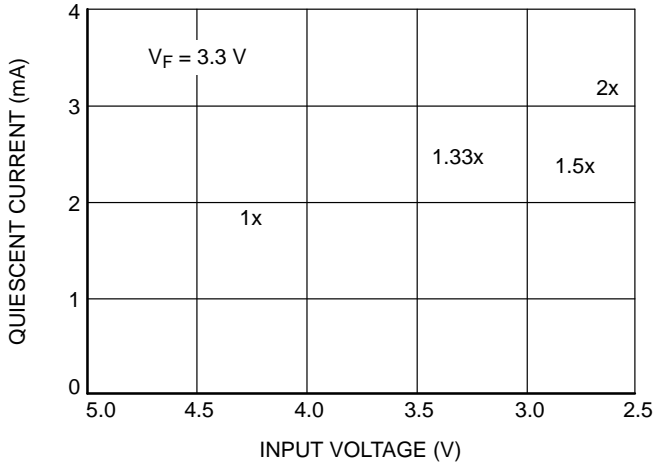


Figure 4. Quiescent Current vs. Input Voltage

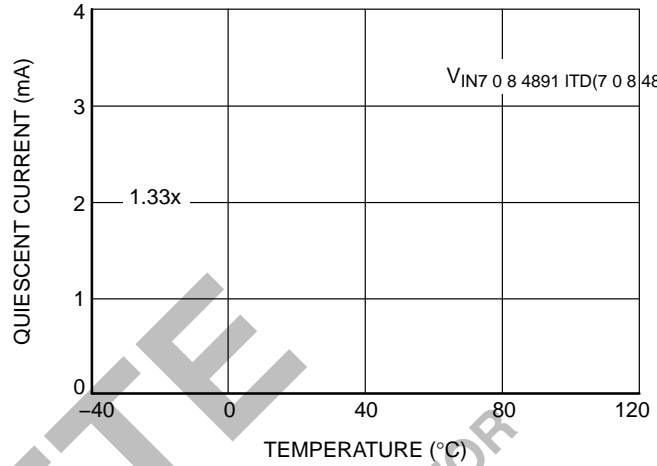


Figure 5. Quiescent Current vs. Temperature

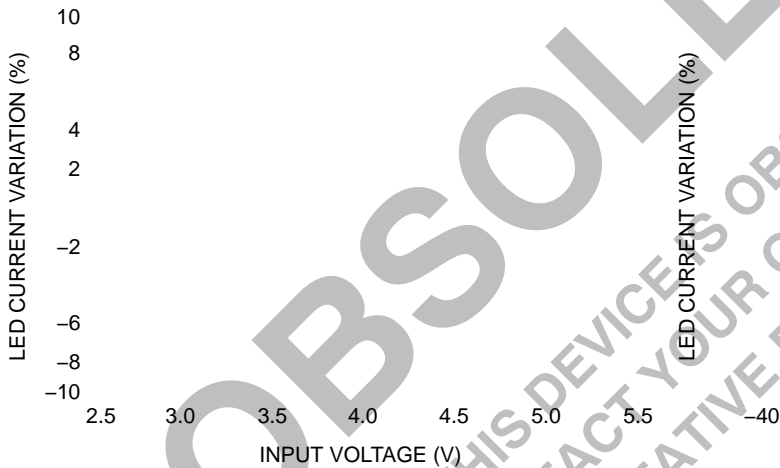


Figure 6. LED Current Change vs. Input Voltage

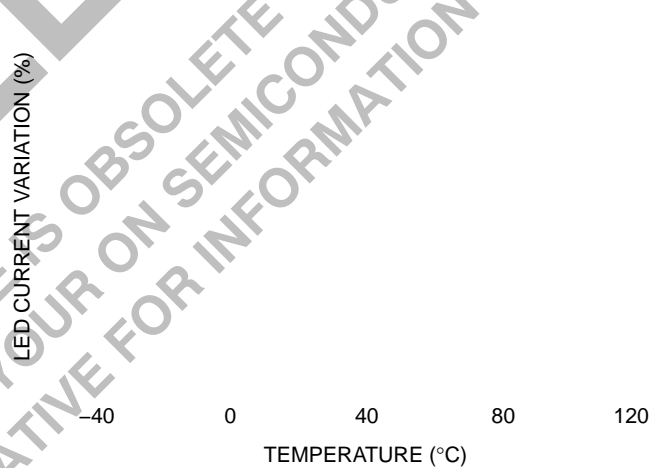


Figure 7. LED Current Change vs. Temperature

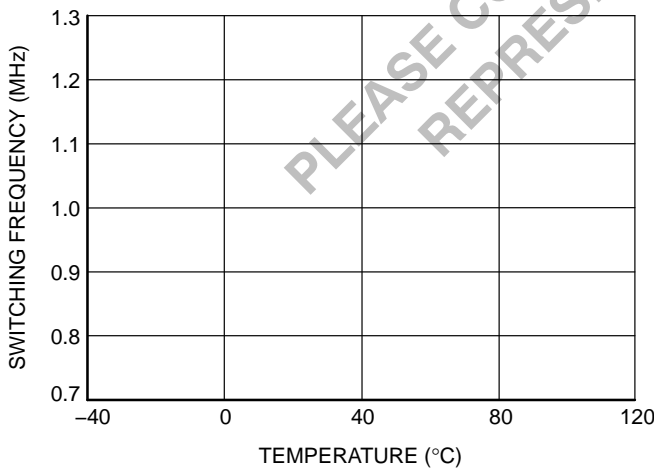


Figure 8. Switching Frequency vs. Temperature

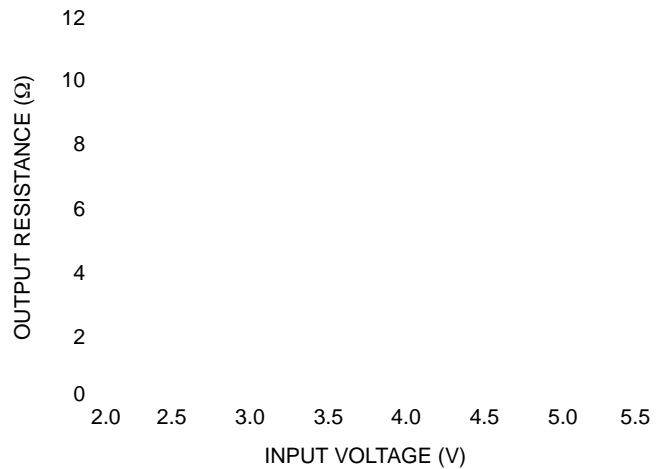


Figure 9. Output Resistance vs. Input Voltage



# CAT3649

## TYPICAL PERFORMANCE CHARACTERISTICS

( $V_{IN} = 3.6\text{ V}$ ,  $PWM = V_{IN}$ ,  $I_{OUT}$ )

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