

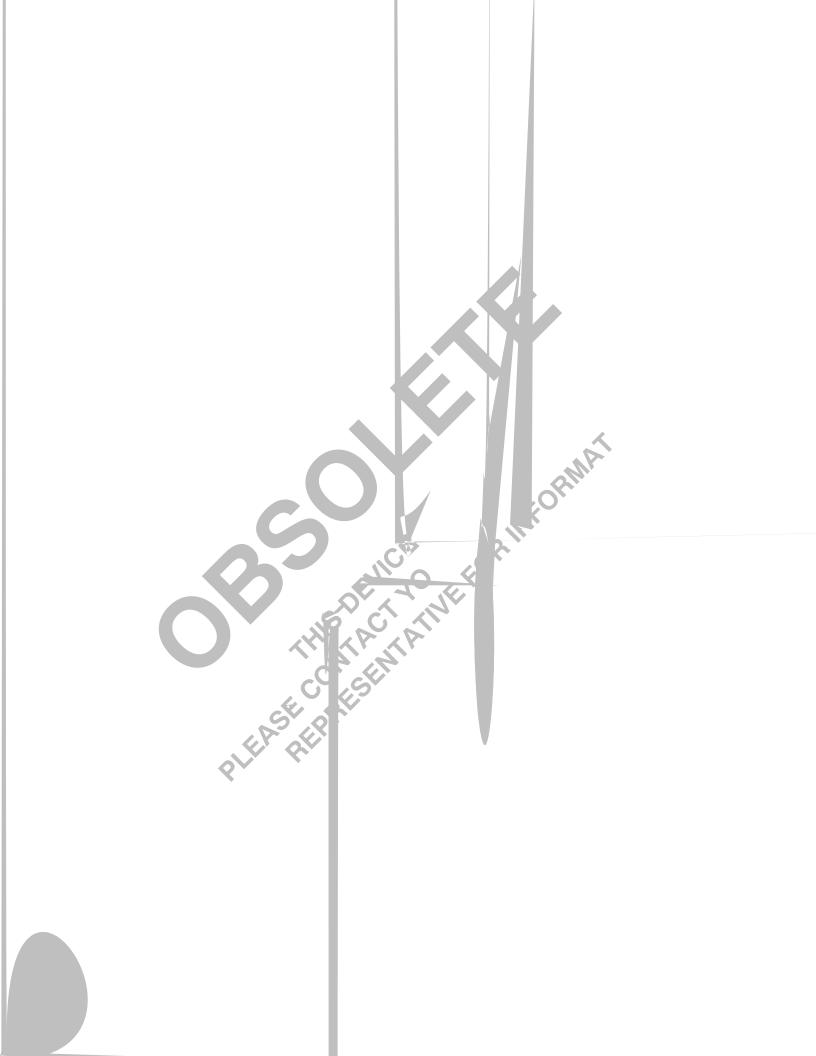
Fault Output to Indicate Under–voltage, Current Limiting or Thermal Shutdown has Occurred

- Fault Blanking: 3 ms
- V_{OUT} Withstands Battery Fault Voltages of up to 14 V
- Soft–Start Prevents Current Surges
- Stable with Ceramic Output Capacitor
- ±1.0% Output Voltage Initial Accuracy
- ±2.0% Accuracy Over Temperature
- Thermal Protection
- 8 Pad TDFN Package
- These Devices are Pb–Free, Halogen Free/BFR Free and are RoHS Compliant



© Semiconductor Components Industries, LLC, 2014 September, 2019 – Rev. 1











CAT6202

 $\begin{array}{l} \textbf{TYPICAL CHARACTERISTICS} \text{ (shown for 7.5 V output)} \\ \textbf{(V_{IN}=8.5 V, R_1=5.1 k\Omega, R_2=1 k\Omega, C_{IN}=1 \mu\text{F}, C_{OUT}=2.2 \mu\text{F}, C_{BYP}=10 \text{ nF}, R_{EXT}=47 \text{ k}\Omega, \\ \hline \textbf{FLT} \text{ not connected}, T_A=25^\circ\text{C} \text{ unless otherwise specified.)} \end{array}$

Figure 9. Output Short-circuit Current vs. Input Voltage

0

urrent vs. Figure 10. Ground Current vs. Input Voltage

