

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
- $\pm 1.0\%$ Output Voltage Initial Accuracy
- $\pm 2.0\%$ Accuracy Over Temperature
- Thermal Protection
- 8 Pad TDFN Package
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

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CAT6202

TYPICAL CHARACTERISTICS (shown for 7.5 V output)

($V_{IN} = 8.5\text{ V}$, $R_1 = 5.1\text{ k}\Omega$, $R_2 = 1\text{ k}\Omega$, $C_{IN} = 1\text{ }\mu\text{F}$, $C_{OUT} = 2.2\text{ }\mu\text{F}$, $C_{BYP} = 10\text{ nF}$, $R_{EXT} = 47\text{ k}\Omega$,
FLT not connected, $T_A = 25^\circ\text{C}$ unless otherwise specified.)

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

Figure 10. Ground Current vs. Input Voltage

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