

Product Summary Sheet

CL2

Simple Constant Current LED Driver

Applications:

- ▶ Automotive LED Lighting
- ▶ Signage
- ▶ LED Channel Lighting
- ▶ RGB Backlight applications
- ▶ Accent Lighting



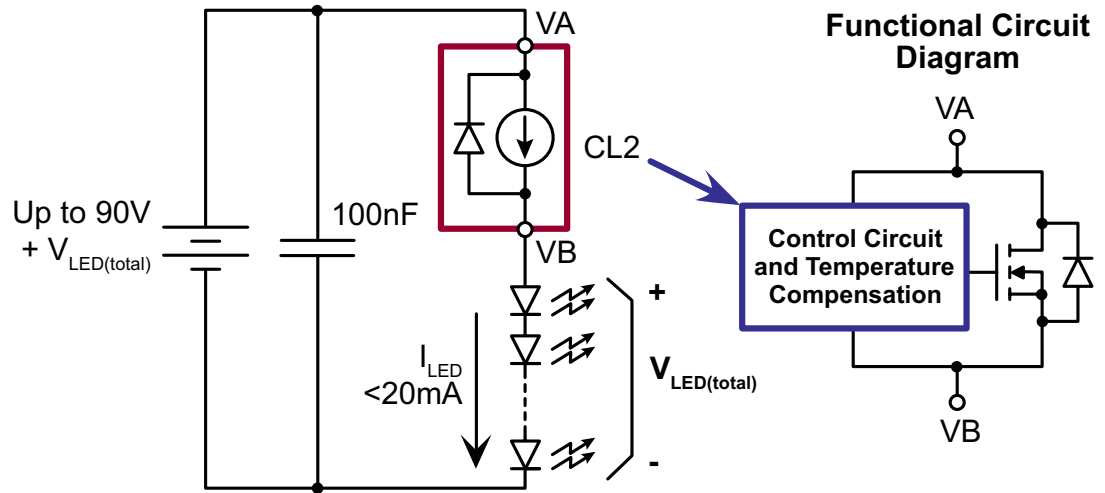
3-Lead TO-252 (K4)



3-Lead SOT-89 (N8)



3-Lead TO-92 (N3)



Typical Application Circuit

Product Overview:

The Supertex CL2 is a low cost, high voltage, temperature compensated current source. The device provides a constant current of $20\text{ mA} \pm 10\%$ at an input voltage range of 5V to 90V. No external components are required.

The CL2 can be used in parallel to drive higher currents at 20 mA increments, e.g. 40 mA, 60 mA, etc. The CL2 is available in TO-92, TO-252, and TO-243AA (SOT-89) packages.

Features:	Benefits:
2-Pin Device, TO-92, TO-252, and SOT-89 Packages	Simple and Easy to Use No External Components Low Cost
2.0 $\mu\text{A}/^\circ\text{C}$ Temperature Coefficient	Temperature Compensation eliminates added circuitry to maintain constant current due to temperature variation
DC Input range: 5VDC to 90VDC	Wide Input voltage range - can be used for multiple applications with a single device
Parallel Connection	Simple scalability for driving higher currents at 20 mA increments

Supertex inc



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Ordering Information / Availability

<u>Part Number</u>	<u>Package Option</u>	<u>Samples</u>	<u>Product Availability</u>
CL2K4-G	3-Lead TO-252 (Green)	Now	4-6 Weeks ARO
CL2N8	3-Lead SOT-89	Now	4-6 Weeks ARO
CL2N8-G	3-Lead SOT-89 (Green)	Now	4-6 Weeks ARO
CL2N3	3-Lead TO-92	Now	4-6 Weeks ARO
CL2N3-G	3-Lead TO-92 (Green)	Now	4-6 Weeks ARO

-G indicates the part is RoHS compliant (Green).

**Product Contact**

For any questions regarding the CL2 please contact your local area Supertex sales office, or contact the main office in the US at:

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