

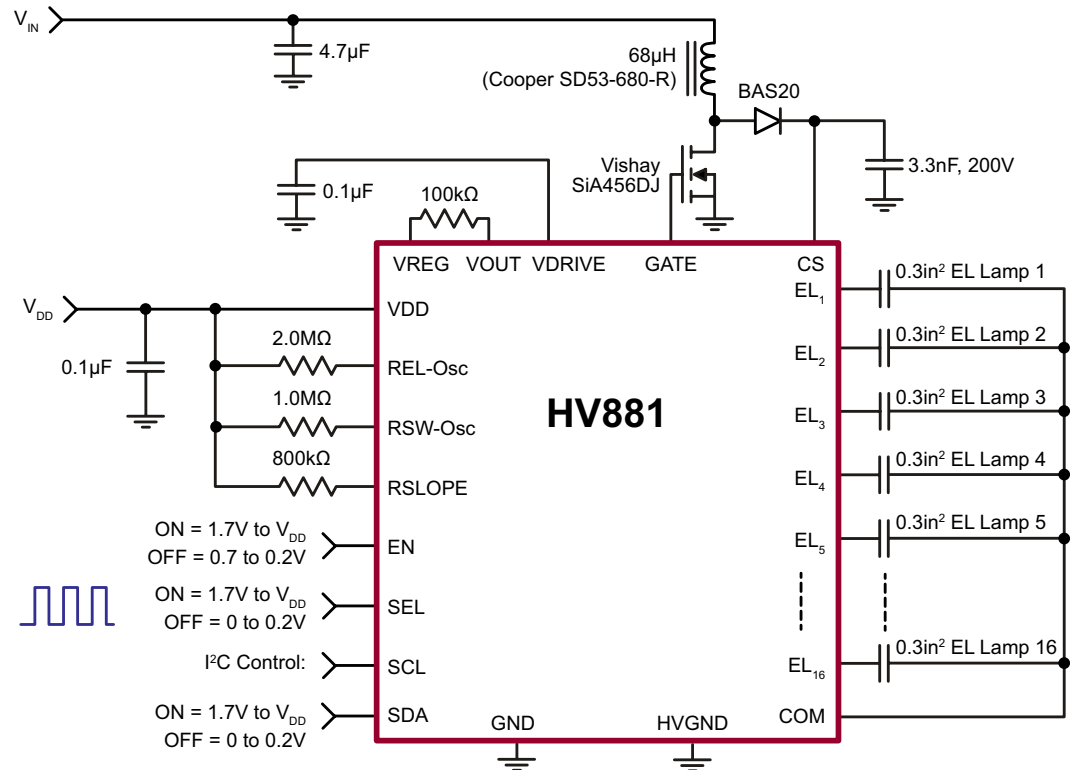
Product Summary Sheet

HV881

Dimmable, Low Noise, 16 channel EL Lamp Driver

Applications:

- ▶ Multi-segment, variable displays
- ▶ Cell phone keypads and displays
- ▶ Multi-segment remote controls
- ▶ Handheld wireless communication products
- ▶ Global Positioning Systems (GPS)



Typical Application Circuit

Product Overview:

The Supertex HV881 is a sixteen channel, high voltage EL lamp driver with a single common terminal. The operating input supply voltage is 1.8 to 5.5V, but the logic high interface to the device can be as low as 1.7V. The device is designed to minimize audible noise emitted by the EL lamp. An enable pin is available to turn the device on and off via a logic signal.

The HV881 uses an external MOSFET, a single inductor and a minimum number of passive components to drive sixteen EL lamps. The device is designed so that the input voltage to the inductor can differ from the input voltage to the device (split supply).

The IC has two internal oscillators and a high voltage EL lamp driver. An external MOSFET is driven by the switch oscillator to generate output voltage.

Features:	Benefits:
340V _{PP} regulated output voltage	Higher, uniform brightness over wide input voltage range
Adjustable output voltage regulation	Dimming and fading capability for EL lamps
1.7V logic interface	Ease of control from a microprocessor or other logic circuitry
Separately adjustable lamp and converter frequencies	Ease of design
Split supply capability	Improves converter efficiency by avoiding double conversion, longer battery life



32-Lead QFN (K7)



060811

Supertex inc

Dimmable, Low Noise, 16 channel EL Lamp Driver

Ordering Information / Availability

Part Number	Package Option	Samples	Lead Time
HV881K7-G	32-Lead QFN (Green)	Now	4-6 Weeks ARO

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



Product Contact

For any questions regarding the HV881, please contact your local area Supertex sales office, or contact the main office in the US at:

Telephone: 800-222-8888
Fax: 408-222-4895
EEmail: mktg@supertex.com
Website: www.supertex.com