

Electroluminescent Lamp Driver

Low Power Applications



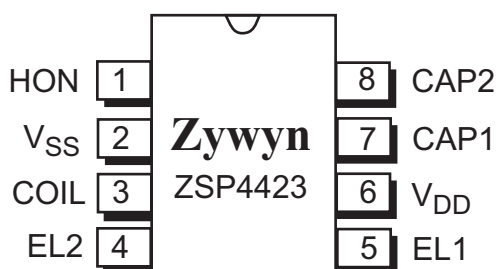
Features

- +2.2V to +5.0V battery operation
- 10nA typical standby current
- High voltage output typical 160V_{PP}
- Internal oscillator

Applications

- PDAs
- MP3 players
- Cellular phones
- Remote controls
- Handheld computers

Pin Configuration






8-Pin nSOIC/MSOP

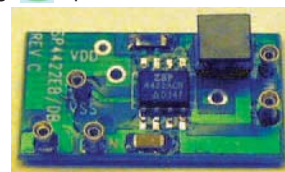
General Description

The ZSP4423 is a high voltage output DC-AC converter that can operate from a +2.2V to +5.0V power supply. The ZSP4423 is designed with our proprietary high voltage BiCMOS technology and is capable of supplying up to 200V_{PP} signals, making it ideal for driving small electroluminescent lamps. The device features 10nA (typical) standby current, for use in low power portable products. An inductor is used to generate the high voltage, and an external capacitor is used to select the oscillator frequency. The ZSP4423 is offered in an 8-pin narrow SOIC package or an 8-pin MSOP package. For delivery in die form, please consult the factory.

Ordering Information

Part Number	Temperature Range	Package Type
ZSP4423CN	-40°C to +85°C	8-Pin nSOIC
ZSP4423LCN	-40°C to +85°C	8-Pin nSOIC Green 
ZSP4423CU	-40°C to +85°C	8-Pin MSOP
ZSP4423LCU	-40°C to +85°C	8-Pin MSOP Green 
ZSP4423CX	0°C to +70°C	Die in Wafflepack
ZSP4423NEB	n/a	nSOIC Eval. Board
ZSP4423UEB	n/a	MSOP Eval. Board

Please contact the factory for pricing and availability on a Tape-on-Reel and Green Package  option.



Please contact the factory for EL driver design support and availability of custom-made evaluation demo boards.

See our web site for Application Note **AN007** regarding requirements for custom-made evaluation demo boards.