



TK11835

## ADVANCED INFORMATION

## POSITIVE TO NEGATIVE DC-DC CONVERTER

### FEATURES

- Positive-to-Negative Switching Regulator
- Adjustable Output Voltage
- Thermal Protection Sensor
- Broad Operating Voltage Range
- Miniature Package (SOT-26)
- Synchronization to External Pulse

### DESCRIPTION

The TK11835 is a positive to negative switching regulator. This IC converts a positive input voltage into a regulated negative output voltage. The maximum regulated output voltage and current are determined by the choice of the external transistor and inductor.

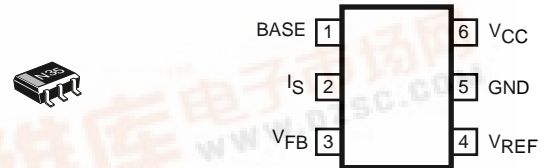
The thermal protection feature provides oscillator shut-down in the event of an overload condition. The wide input voltage range of 1.8 V to 15 V and a 50 mA base drive capability for the external transistor allow flexible operation in a large number of applications.

The TK11835 is available in a miniature SOT-26 surface mount package.

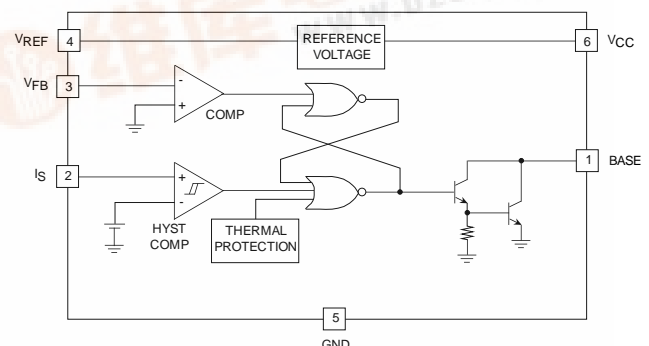
### APPLICATIONS

- Cellular Phones
- Cordless Telephones
- Radio Control Systems
- Wireless Communications Systems
- Battery Operated Equipment
- Portable Instrumentations
- Portable Computers
- Personal Digital Assistants
- Local Area Network (LAN) Receivers

TK11835



BLOCK DIAGRAM



### ORDERING INFORMATION

TK11835MTL

Note: Standard packaging is tape left, 1000 pcs/reel.

