

PI-2643-030701

Figure 2. Functional Block Diagram.

Pin Functional Description

DRAIN (D) Pin:

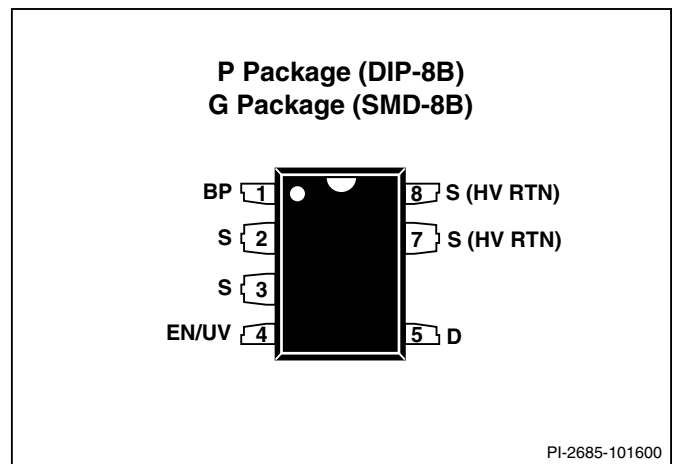
Power MOSFET drain connection. Provides internal operating current for both start-up and steady-state operation.

BYPASS (BP) Pin:

Connection point for a 0.1 μF external bypass capacitor for the internally generated 5.8 V supply.

ENABLE/UNDER-VOLTAGE (EN/UV) Pin:

This pin has dual functions: enable input and line under-voltage sense. During normal operation, switching of the power MOSFET is controlled by this pin. MOSFET switching is terminated when a current greater than 240 μA is drawn from this pin. This pin also senses line under-voltage conditions through an external resistor connected to the DC line voltage. If there is no external resistor connected to this pin, *TinySwitch-II* detects its absence and disables the line under-voltage function.



PI-2685-101600

Figure 3. Pin Configuration.

SOURCE (S) Pin:

Control circuit common, internally connected to output MOSFET source.

SOURCE (HV RTN) Pin:

Output MOSFET source connection for high voltage return.

