HT7810
PCMCIA Power Switch

Features

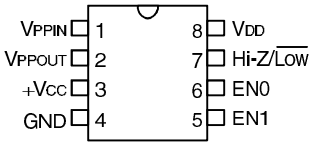
- Complete PCMCIA V_{PP} switch matrix in a single IC
- Digital selection of 0V, V_{CC}, V_{PP}, or high impedance output
- No V_{PPOUT} overshoot or switching transient
- Low power consumption
- 120mA V_{PP} (12V) of output current
- Optional active source clamp for zero volt condition
- 3.3V or 5V supply operation
- 8–pin DIP/SOP

General Description

The HT7810 is a PCMCIA (Personal Computer Memory Card International Association) power switch IC. It switches four voltages required by the PCMCIA card V_{PP} pins. The IC provides different system power supply to V_{PP} selectable from 0V, 3.3V, 5.0V, and 12.0V (± 5%). The output voltage is formed by two digital inputs. The current range can be up to 120mA.

The HT7810 contains four control states, namely V_{PP}, V_{CC}, high impedance, and active low. An auxiliary control input of the IC determines the output state of V_{PPOUT} to be either a high impedance state or a low logic state.

Pin Assignment



HT7810
– 8 DIP/SOP

Block Diagram