

## 产品概览

### LV5068V: 非同步降压控制器, 开关, 1 沟道

欲看完整文档, 请参阅数据表。

LV5068V 是一款非同步降压控制器, 适用于基于较宽的输入电压范围 (4.5 V 至 40 V) 运行, 在轻型负载下的电流耗量低 (典型值 55 uA)。LV5068 非常灵活, 使得设计人员能够通过外部电容器设置开关频率 (300 kHz 至 2.2 MHz)、电流限值和软启动。另外, 该器件还可与外部信号进行同步。LV5068V 使用电源正常引脚结合了输出电压监控, 还具有内置过电流保护、输入欠压锁定以及高温关断能力等保护特性。LV5068V 采用 16 引脚 SSOP 封装。

#### 特性

- Maximum value of light load mode current is 80uA.
- Built-in OCP circuit with P-by-P method
- When P-by-P is generated continuously, it shifts to the HICCUP operation. If connect C-HICCUP to GND pin, then latch-off when over current.
- The oscillatory frequency can be set by the external pin. The oscillatory frequency is 300 kHz to 2.2MHz
- Built-in UVLO, TSD
- The device is capable of Synchronous operation with an external signal

#### 应用

- Power Supply for standby uControllers

#### 优势

- Enhanced efficiency at lower output current
- Protects against over current conditions
- Allows for selectable protection
- Allows for design flexibility
- Protection feature
- Allows for frequency synchronization

#### 终端产品

- Set-Top box, DVD players, HDD
- Printers
- LCD monitors and TV

### 器件电气规格

产品	Pricing (\$/Unit)	Compliance	Status	Topology	Phases	Control Mode	V <sub>CC</sub> Min (V)	V <sub>CC</sub> Max (V)	f <sub>sw</sub> Typ (kHz)	Package Type
LV5068V-TLM-H	1.6528	Pb-free Halide free	Active	Step-Down	1	Current Mode	4.5	40	330 300 - 2200	SSOP-16

欲了解更多信息, 请联系您当地的销售支援 [www.onsemi.cn](http://www.onsemi.cn)。

创建于: 4/2/2020