



## 01 产品主要特性 General Characteristics

- 输出电流最高 40A
- 效率高达 94%
- 输出电压通过精密电阻任意调节
- 工作温度 -40℃~+85℃
- 输入遥控功能
- 输出短路保护，间歇式自恢复
- Output Current up to 40A
- High Efficiency 94%
- Output Voltage Programmable Via External Resistor
- Operating Temperature -40℃~+85℃
- Remote On/Off Control
- Output Short-circuit Protection, Self recovery

## 02 产品选型表 Model Selection Guide

| 型号<br>Product Model | 输入电压范围 (标称值)<br>Input Voltage Range (Typical) | 输出电压<br>Output Voltage (Vdc) | 输出电流<br>Output Current (A) | 典型效率<br>Efficiency (%) |
|---------------------|-----------------------------------------------|------------------------------|----------------------------|------------------------|
| SIP0506             | 3~5.5Vdc                                      | 0.75~3.3V                    | 6                          | 93(3.3V)               |
| SIP0510             |                                               |                              | 10                         | 93(3.3V)               |
| SIP0516             |                                               |                              | 16                         | 94(3.3V)               |
| SIP0520             |                                               |                              | 20                         | 93(3.3V)               |
| SIP1206             | 10~14Vdc                                      | 0.75~5V                      | 6                          | 89(3.3V)               |
| SIP1210             |                                               |                              | 10                         | 90(3.3V)               |
| SIP1216             |                                               |                              | 16                         | 91(3.3V)               |
| SIP1220             |                                               |                              | 20                         | 93(3.3V)               |
| SIP0530             | 2.95~5.5Vdc                                   | 0.8~3.6V                     | 30                         | 94                     |
| SIP1240             | 9.6~14Vdc                                     | 1.0~3.3V                     | 40                         | 92                     |

## 03 封装尺寸和管脚定义图 Outline Diagram And Pin Out

| SIP 6~20A     |                     |               |                     | SIP 30A、40A   |                     |               |                     |
|---------------|---------------------|---------------|---------------------|---------------|---------------------|---------------|---------------------|
|               |                     |               |                     |               |                     |               |                     |
| 定义<br>Pin Out | 单路<br>Single Output | 定义<br>Pin Out | 单路<br>Single Output | 定义<br>Pin Out | 单路<br>Single Output | 定义<br>Pin Out | 单路<br>Single Output |
| 1             | Vo                  | 7             | Vin                 | 1,3,7         | GND                 | 8,9           | Vo                  |
| 2             | Vo                  | 8             | Vin                 | 2             | +Vin                | 10            | GND                 |
| 3             | Sense               | 9             | NP                  | 4             | Margin Up           | 11            | Sense               |
| 4             | Vo                  | 10            | TRIM                | 5             | Margin Down         | 12            | TRIM                |
| 5,6           | GND                 | 11            | CNT                 | 6             | Track               | 13            | CNT                 |

## 01 产品主要特性 General Characteristics

- 输出电流最高 16A
- 效率高达 97%
- 输出电压通过精密电阻任意调节
- 工作温度 -40℃~+85℃
- 输入遥控功能
- 输出短路保护，间歇式自恢复
- Output Current up to 16A
- High Efficiency 97%
- Output Voltage Programmable Via External Resistor
- Operating Temperature -40℃~+85℃
- Remote On/Off Control
- Output Short-circuit Protection, Self recovery

## 02 产品选型表 Model Selection Guide

| 型号<br>Product Model | 输入电压范围 (标称值)<br>Input Voltage Range (Typical) | 输出电压<br>Output Voltage (Vdc) | 输出电流<br>Output Current (A) | 典型效率<br>Efficiency (%) |
|---------------------|-----------------------------------------------|------------------------------|----------------------------|------------------------|
| SMT0506             | 3~5.5Vdc                                      | 0.75~3.3V                    | 6                          | 97(3.3V)               |
| SMT0510             |                                               |                              | 10                         | 96(3.3V)               |
| SMT0516             |                                               |                              | 16                         | 93(3.3V)               |
| SMT1206             | 10~14Vdc                                      | 0.75~5V                      | 6                          | 92(3.3V)               |
| SMT1210             |                                               |                              | 10                         | 90(3.3V)               |
| SMT1216             |                                               |                              | 16                         | 90(3.3V)               |

## 03 封装尺寸和管脚定义图 Outline Diagram And Pin Out

| SMT           |                     | 底视图           |                     | 侧视图           |                     |
|---------------|---------------------|---------------|---------------------|---------------|---------------------|
|               |                     |               |                     |               |                     |
| 定义<br>Pin Out | 单路<br>Single Output | 定义<br>Pin Out | 单路<br>Single Output | 定义<br>Pin Out | 单路<br>Single Output |
| 1             | Vin                 | 1             | Vin                 | 1             | Vin                 |
| 2             | CNT                 | 2             | CNT                 | 2             | CNT                 |
| 3             | Sense               | 3             | Sense               | 3             | Sense               |
| 4             | TRIM                | 4             | TRIM                | 4             | TRIM                |
| 5             | Vo                  | 5             | Vo                  | 5             | Vo                  |
| 6             | GND                 | 6             | GND                 | 6             | GND                 |