



## 01

## 产品主要特性

## General Characteristics

- 输出电流最高 20A
- 效率高达 96%
- 输出电压通过精密电阻任意调节
- 工作温度 -40°C~+85°C
- 输入遥控功能
- 输出短路保护，间歇式自恢复
- Output Current up to 20A
- High Efficiency 96%
- Output Voltage Programmable Via External Resistor
- Operating Temperature -40°C~+85°C
- 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 (%) | 封装<br>Package |
|---------------------|-----------------------------------------------|------------------------------|----------------------------|------------------------|---------------|
| NTB0510N            | 3.0~5.5V(5V)                                  | 0.75~3.63V                   | 10                         | 95                     | A             |
| NTB1210P            | 4.5~14V(12V)                                  | 0.59~5.1V                    | 10                         | 95                     | A             |
| NTB0506BN           | 2.4~5.5V                                      | 0.75~3.63V                   | 6                          | 93                     | B             |
| NTB0510BN           | 3.0~5.5V                                      | 0.75~3.63V                   | 10                         | 95                     | B             |
| NTB1210BP           | 4.5~14V                                       | 0.59~5.1V                    | 10                         | 95                     | B             |
| NTB0503FP           | 3.0~5.5V                                      | 0.75~3.63V                   | 3                          | 93                     | F             |
| NTB1203FP           | 9.6~14V                                       | 0.75~5.0V                    | 3                          | 93                     | F             |
| NTH1220CP           | 4.5~14V                                       | 0.75~5.0V                    | 20                         | 93                     | C             |
| NTM0506GN           | 2.4~5.5V                                      | 0.8V~3.63V                   | 6                          | 93                     | G             |
| NTB24033HN12        | 6.0~36V                                       | 12.0V                        | 3.3                        | 96                     | H             |

尾缀 P 为正逻辑，尾缀 N 为负逻辑

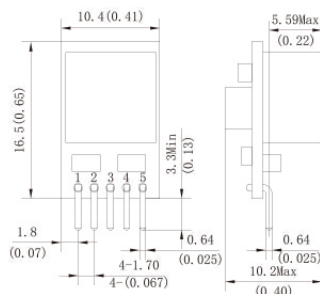
Positive logic, device code suffix "P", Negative logic, device code suffix "N"

## 03

## 封装尺寸和管脚定义图

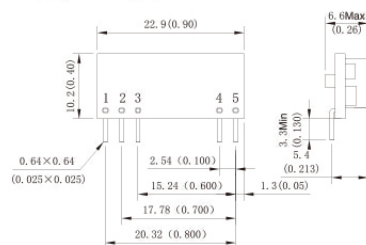
## Outline Diagram And Pin Out

A 封装 (A Package)



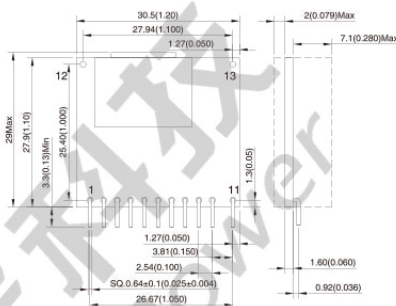
| 定义<br>Pin Out | 单路<br>Single Output |
|---------------|---------------------|
| 1             | TRIM                |
| 2             | +Vo                 |
| 3             | GND                 |
| 4             | Vin                 |
| 5             | CNT                 |

B 封装 (B Package)



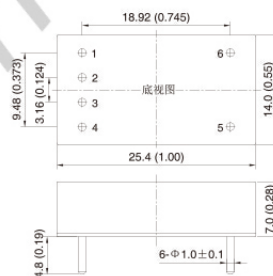
| 定义<br>Pin Out | 单路<br>Single Output |
|---------------|---------------------|
| 1             | +Vo                 |
| 2             | TRIM                |
| 3             | GND                 |
| 4             | Vin                 |
| 5             | CNT                 |

C 封装 (C Package)



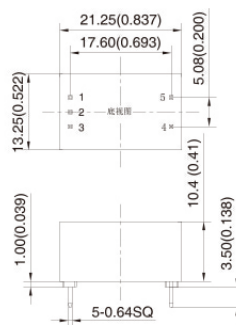
| 定义<br>Pin Out | 单路<br>Single Output |
|---------------|---------------------|
| 1,2,3         | +Vo                 |
| 4             | TRIM                |
| 5             | CNT                 |
| 6             | Power Good          |
| 7,8           | GND                 |
| 9             | NC                  |
| 10,11         | Vin                 |
| 12,13         | NP                  |

G 封装 (G Package)



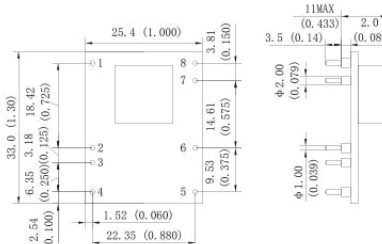
| 定义<br>Pin Out | 单路<br>Single Output |
|---------------|---------------------|
| 1             | CNT                 |
| 2             | +Vin                |
| 3             | NC                  |
| 4             | GND                 |
| 5             | +Vo                 |
| 6             | TRIM                |

F 封装 (F Package)



| 定义<br>Pin Out | 单路<br>Single Output |
|---------------|---------------------|
| 1             | +Vo                 |
| 2             | GND                 |
| 3             | +Vin                |
| 4             | CNT                 |
| 5             | TRIM                |

H 封装 (H Package)



| 定义<br>Pin Out | 单路<br>Single Output |
|---------------|---------------------|
| 1             | Vin                 |
| 2             | GND                 |
| 3             | TRIM                |
| 4             | CNT                 |
| 5             | Power Good          |
| 6             | GND                 |
| 7             | +Vo                 |
| 8             | Remote Sense        |