

LT3045 LT3094 2A (Spread current) Low Noise linear buck Voltage Regulator positive negative POWER 3.3V 5V 9V 12V 15V radio RF amplifier CAR audio DAC Replace LM337 78 79

The module uses an LT3045/3094 chip to expand the current. The output current is 2A. The module supports the adjustment of output voltage with fixed resistance value resistor or adjustable resistor. Each module is equipped with a heat sink. When the output current is large, the module can be mounted directly to the housing for heat dissipation, so as to realize the application of high voltage difference and large current.

Applications :

The LT3045P2A-78/LT3094N2A-79 module is a low noise linear buck voltage regulator. At present, it is often used in RF power supply circuit, bias circuit, operation amplifier power supply circuit, audio decoding and DAC circuit. High-speed analog-to-digital conversion. Set-top box. Audio Hifi,. Car audio, headset amplification, satellite receiver, remote walkie-talkie, radio and other scenes. .

Input volatge: DC +1.8V-+20V,DC -20V - -2V.

Output voltage: DC O -+15V(MAX +2A), DC-19.5v -OV(MAX -2A).

Supports turn off output by EN pin, adjustable output voltage.

Direct-replace series regulators: 7805/09/12/15,7905/09/12/15,LM337.

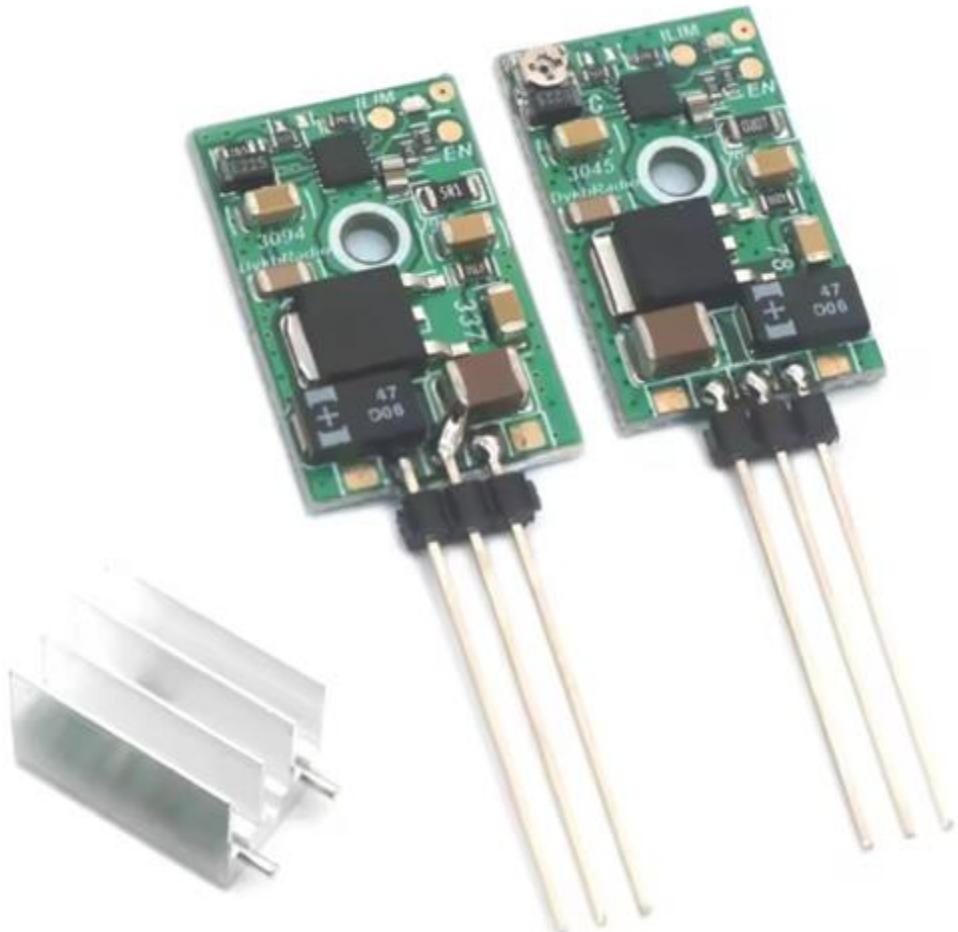
Use polymer capacitor, size size: 16x25mm, TO220 port, with heat sink.

LT3042/LT3094 2A



Input voltage: DC +2 --+20V, DC -20V --2V.

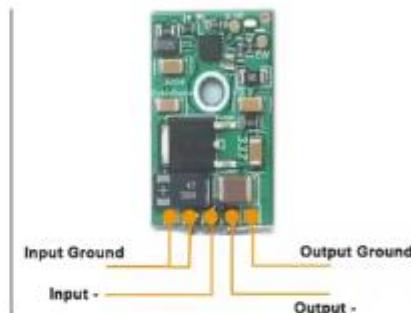
Output voltage: DC 0 --+15V(MAX +2A), DC-19.5v -0V(MAX -2A).



LT3094

Two different uses

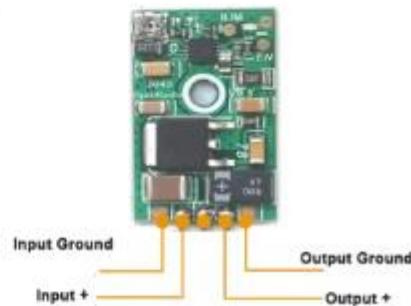
Take pin 79 for example



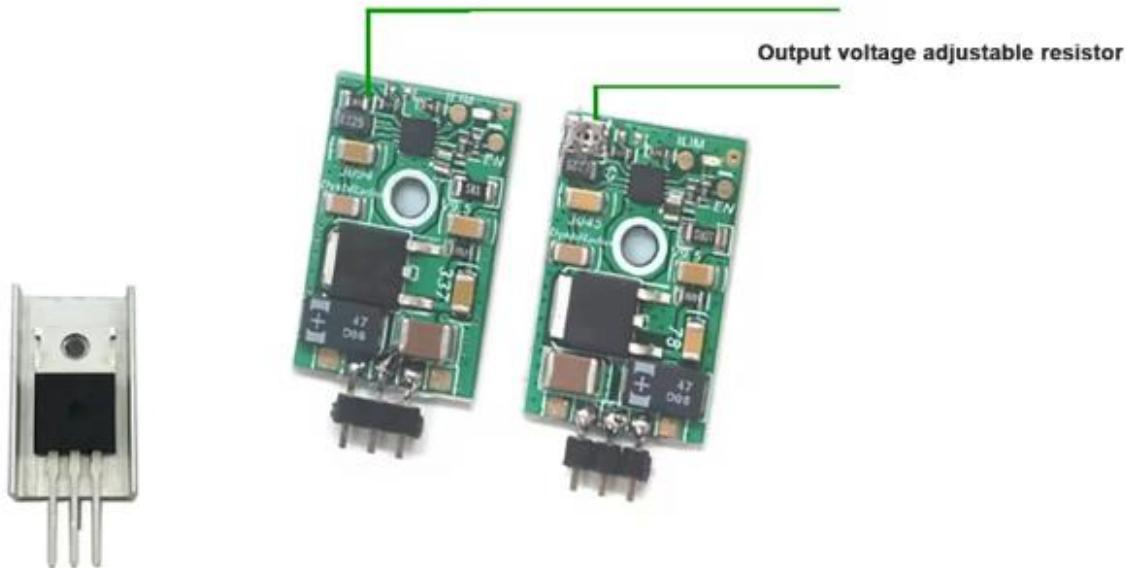
Use as a universal pin

79/337

LT3042/5 2A



Use as universal 78 pin



Replace 78/79



output voltage regulation modes: use fixed resistor or potentiometer (for ADJ)

Table 1. 1% Resistor for Common Output Voltages

| V _{OUT} (V) | R _{SET} (kΩ) |
|----------------------|-----------------------|
| 2.5 | 24.9 |
| 3.3 | 33.2 |
| 5 | 49.9 |
| 12 | 121 |
| 15 | 150 |

输出电压和电阻值对照表: $V_{out} = R * 100\mu A$, 如输出5V电压, 使用1个51K电阻