



الحمادي للإلكترونيات  
ALHAMMADI FOR ELECTRONICS

DIMENSIONS: LENGTH (3.8) \* WIDTH (5.2) \* HEIGHT (2.0) (CM) WEIGHT  
32G

Note: When you test, if the output voltage is not higher than the input voltage, please adjust the potentiometer clockwise, the output voltage will rise, please do not adjust counterclockwise so that the module will be damaged or even damaged in the case of high input voltage!

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Input voltage range: 3.5V-30V (must ensure that the output set voltage is higher than the input voltage)

Output voltage range: 4.0V-30V

Maximum input current: 5A (The output current under rated conditions is calculated based on power conservation.)

$U_{in} * I_{in} * \text{efficiency} = U_{out} * I_{out}$

Continuous working current: 3A (the ratio of output voltage to input voltage cannot be greater than 3 under good ventilation and heat dissipation conditions)

Application examples:

1. 7.4V boost 12V is used in model aircraft cameras.

Adjustable high-efficiency boost circuit DC-DC booster, input voltage (4 to 30) V, output adjustable (5 to 30) V, input maximum input current 5A, efficiency up to 92%, the use of a dedicated large package boost chip surpasses LM2577, not a mung bean size boost IC can reach, output drive power up to 30W.

The switching frequency is about 100K