

MP1584EN Buck (Step-Down) DC-DC Converter

These tests were conducted by Gogo:Tronics using common hobby grade and DIY equipment, voltages and currents were generally set/recorded to within 100mv and 25mA.

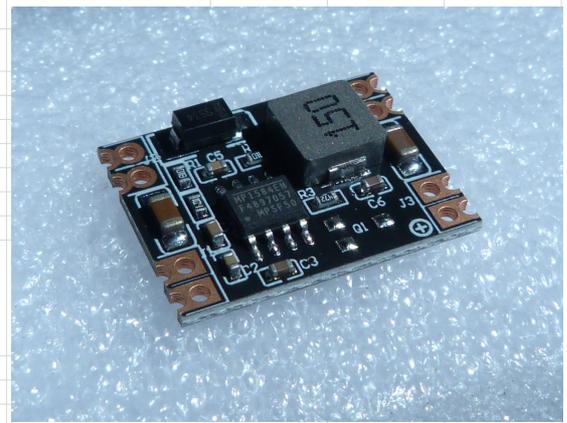
Tested Input Range	7 to 28v (see below table for further limits)
Tested Output Range	5.25v
Tested Current	2.1A Max
Typical No Load Current	700uA

Comments

Output ripple can be considerably improved with the addition of a 100uF electrolytic capacitor directly soldered to the module output. **All tests below have been conducted with the 100uF capacitor added.** Without the capacitor the capability and efficiency may be significantly reduced.

Max Output Current is continuous, short duration peak to 3A (for a few seconds) is possible before thermal shutdown.

Output Voltage	Max Output Current	Min Input Voltage	Best Tested Efficiency
5.25v	2.1A	7v	93% 0.5A @ 7.4v Input



Efficiency vs Output Current for Input Voltages, Output = 5v

