

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	5v						
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 may be reduced (especially over 24v, under 9v at currents greater than 1A).							
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				
5v	2A	7v	93% 0.5A @ 7.4v Input				

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

