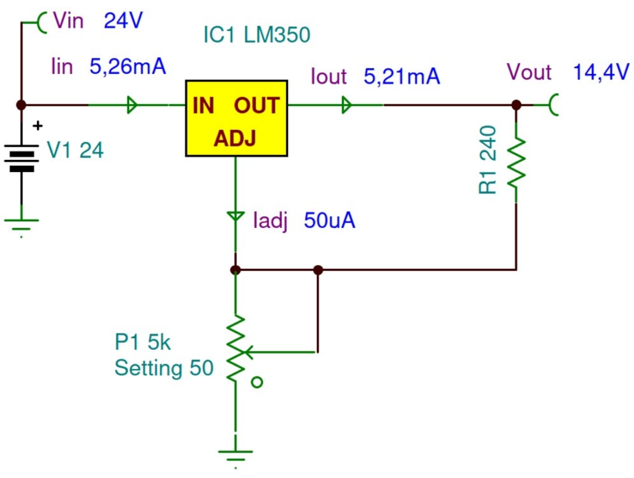
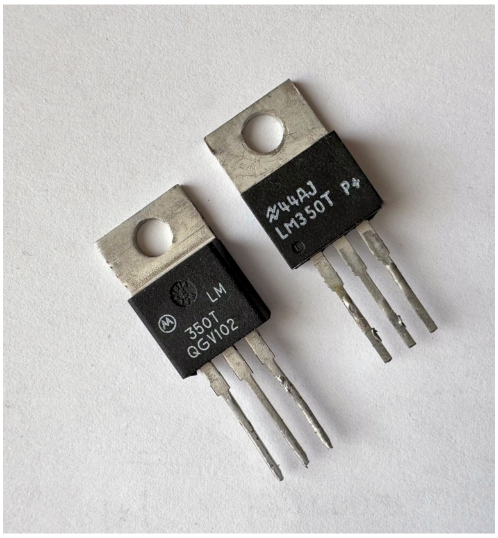
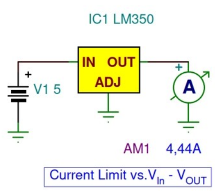
LM350 Three- Terminal Adjustable Positive Voltage Regulator Macro Model Simplified Application

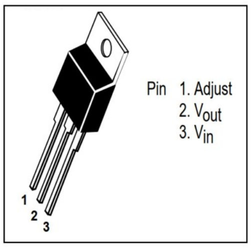


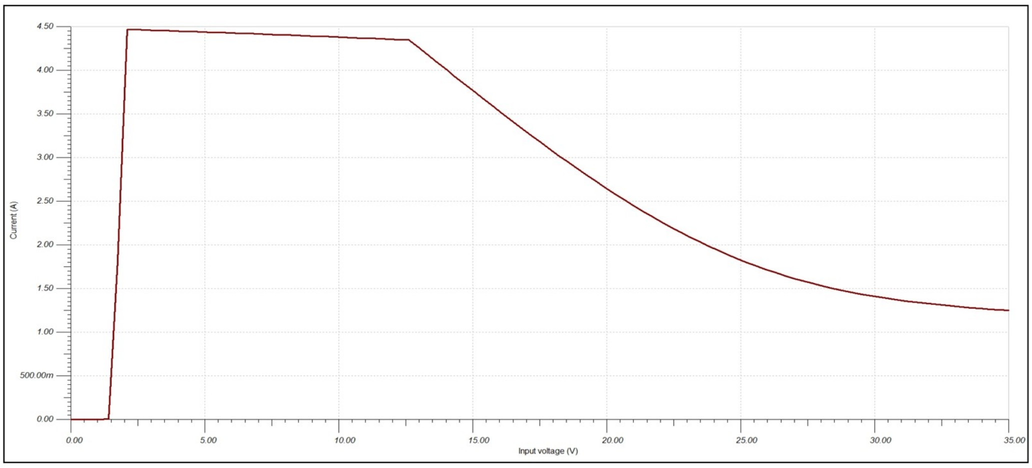


A 12 V lead-acid battery charger with a charging current of 4 A requires a heat sink for the LM350 regulator. An output capacitor is not needed for stability with this device. However, in other applications, a small electrolytic capacitor (1 µF) can improve transient response. An input capacitor is only required if the regulator is located far from the rectifier filter capacitor; in such cases, a 100 nF ceramic capacitor is recommended.

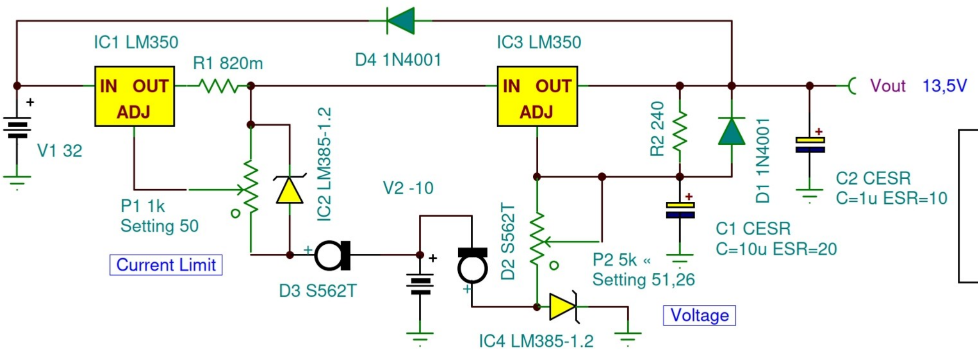
Current Limit







“Laboratory” Power Supply with Adjustable Current Limit and Output Voltage



Output Range:
$0 \le V_O \le 25$ V
$0 \le I_O \le 1.5$ A

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