Description

The GM1112 is a positive low dropout regulator and is available in an adjustable version and fixed output voltage at 1.2V. All internal circuitry is designed to operate down to 800mV input to output differential and the dropout voltage is fully specified as a function of load current. On chip trimming adjusts the reference/output voltage to within ± 1%. Current limit is also trimmed in order to minimize the stress on both the regulator and the power source circuitry under overloaded conditions.

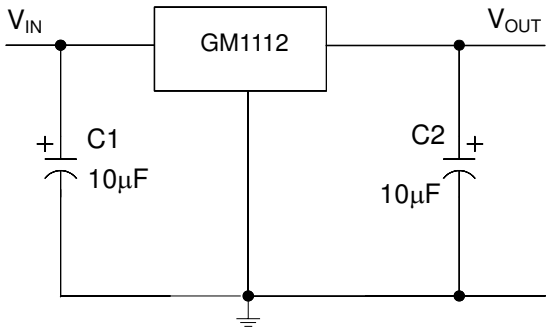
Features

- **Fixed Output, 1.2V**
- **Output Current of 1.0A**
- **Dropout Voltage 1.3V max @ 1.0A**
- **Line Regulation 0.2% max.**
- **Load Regulation 0.4% max.**
- **Fast Transient Response**
- **Current Limit Protection**
- **Thermal Shutdown Protection**

Application

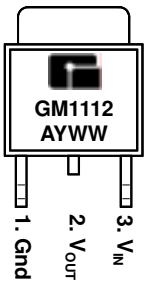
High Efficiency Linear Regulators
Post Regulators for Switching Supplies
Microprocessor Supply
Battery Powered Equipment
Reference Voltage Sources
Hard Drive Controllers
Battery Chargers
Adjustable Power Supply

Typical Application Circuits

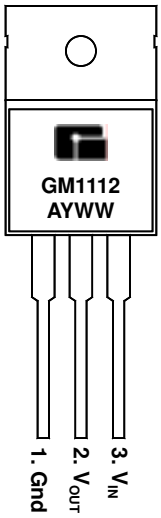


Marking Information and Pin Configurations (Top View)

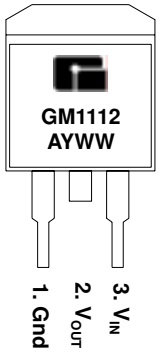
TO 252
(D-PAK)



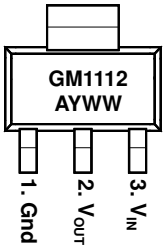
TO 220



TO 263
(D^2-PAK)



SOT223



A: Assembly / Test site code
Y: Year
WW: Week