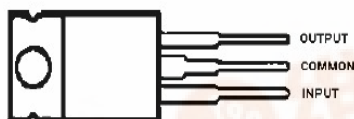


Description

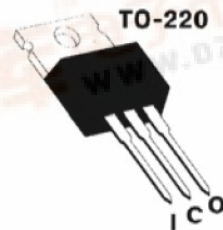
This series of fixed-voltage monolithic integrated-circuit voltage regulators is designed for a wide range of applications. These applications include on-card regulation for elimination of noise and distribution associated with single-point regulation. In addition, they can be used with power-pass elements to make high-current voltage regulators. Each The internal of these regulators can deliver up to 1.0 A of output current.

Features

- Output Current in Excess of 1.0A
- No External Components Required
- Internal Short Circuit Current Limiting
- Internal Thermal Overload Protection
- Output Transistor Safe-Area Compensation
- Output Voltage Offered in 4% Tolerance



Package TO-220
(top view)



Package

Internal Block Diagram

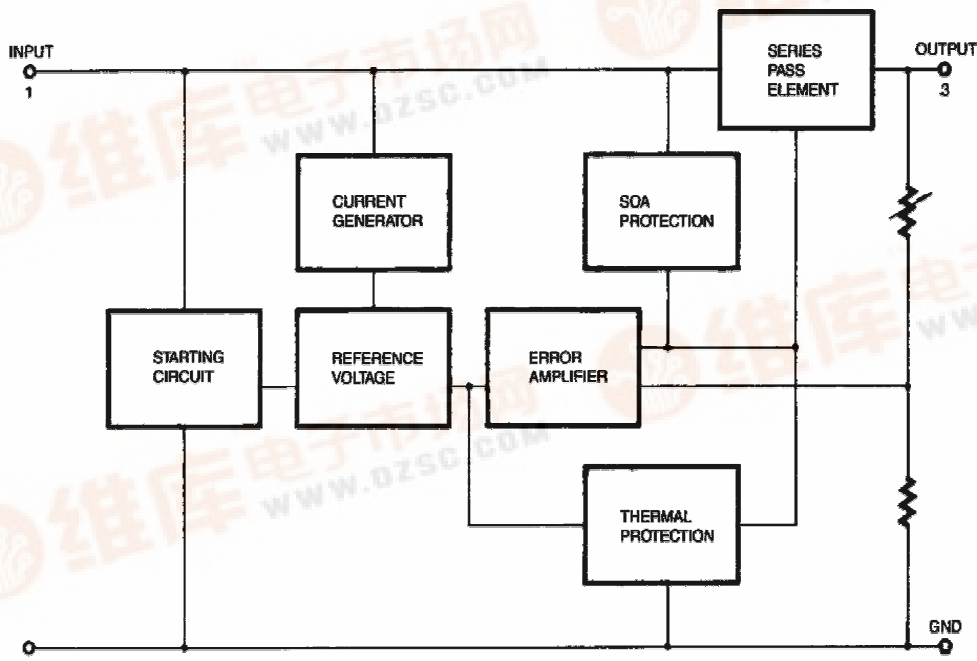


Figure 1. High Output Current with Short Circuit Protection

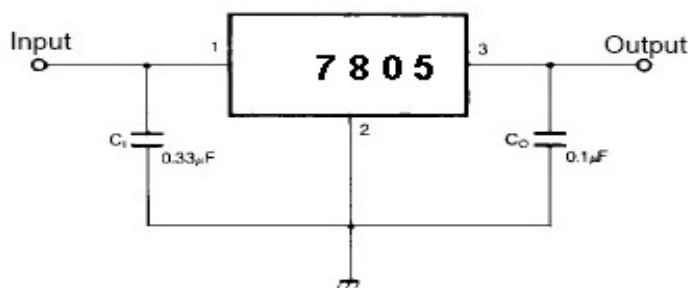
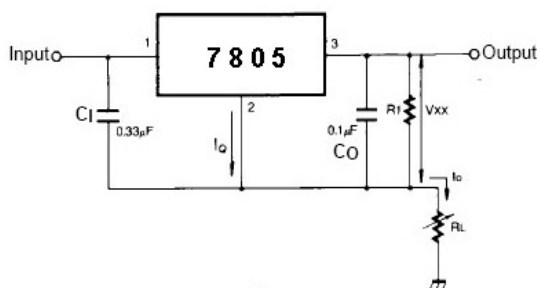


Figure 2. DC Parameters



$$I_o = \frac{V_{xx}}{R_1} + I_0$$

Figure 3. Constant Current Regulator

Ordering Information

ORDERING NUMBER	PACKAGE	MARKING
7805	TO - 220	ET7805

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