

LM723/LM723C voltage regulator

general description

The LM723/LM723C are voltage regulators designed primarily for series regulator applications. By itself, they will supply output currents up to 150 mA; but external transistors can be added to provide any desired load current. The circuits feature extremely low standby current drain, and provision is made for either linear or foldback current limiting.

The LM723C is identical to the LM723 except that the LM723C has its performance guaranteed over a 0°C to 70°C temperature range, instead of -55°C to +125°C. Features include:

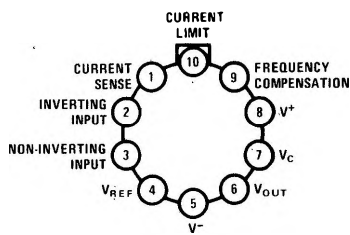
- 150 mA output current without external pass transistors

- Output currents in excess of 10A possible by adding external transistors
- Maximum input voltage—40V
- Output voltage adjustable from 2V to 37V
- Can be used as either a linear or switching regulator

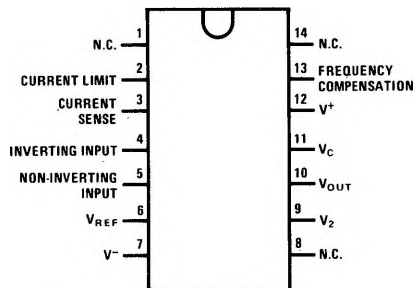
Applications include:

- Series regulator
- Shunt regulator
- Current regulator
- Temperature controller

connection diagrams



TOP VIEW



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