

Applications Of Ic 723

[LM723 IC Pinout, Specifications, Equivalent & Datasheet](#)

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[LM723 IC Pinout, Specifications, Equivalent & Datasheet](#)

LM723 IC is also a voltage regulator but it can generate a variable voltage which can be adjusted in a range of 3V to 37V. It is basically used in the series regulator application. Although it offers a 150mA output current. But we can get an excessive current of up to 10A for driving the load by connecting a bypass transistor externally.

[Applications Of Ic 723](#)

The IC 723 enables the user to get a precisely adjustable current control at the output depending on the load requirement. An array of discretely calculated resistors are employed for sensing and limiting current to the desired levels. The formula for calculating the current limiting resistor is simple, and as given below: $R_{sc} = 0.66 / \text{Maximum ...}$

[LM723 IC : Pin Configuration, Circuit Diagram, and Its ...](#)

Regulator other applications such as a shunt regulator, a current regulator or a temperature controller. The LM723C is identical to the LM723 except that the LM723C has its performance ensured over a 0°C to +70°C temperature range, instead of -55°C to +125°C. Connection Diagram Note: Pin 5 connected to case. Figure 1. Top View Figure 2 ...

[LM723/LM723C Voltage Regulator](#)

[Design Of Low Voltage Regulator Using Ic 723](#)

[Examples of applications of voltage regulator? - Quora](#)

Use LM723 as a voltage regulator designed primarily for series regulator applications. By itself, it will supply output currents up to 150 mA. So need to use two transistors 2N3055 for boost up current to 5A. There are two circuits to learn. DC Power supply 0-30v 5A, Adjustable regulator; 0-30V 0-5A variable supply with current adjustable

[Design Of Low Voltage Regulator Using Ic 723](#)

Applications of voltage regulator you say? First let's talk about DC and let's talk about something that can be found very easily, your mobile phone charger, it takes in 100V-240V(AC/DC) and will give you a stable 5V DC output. As long as the inp...

[0-30V 0-5A regulated variable power supply circuit ...](#)

An example of IC based voltage regulator available in market is the popular 7805 IC which regulates the output voltage at 5 volts. Now lets come to the basic definition of an IC voltage regulator. It is an integrated circuit whose basic purpose is to regulate the unregulated input voltage (definitely over a predefined range) and provide with a constant, regulated output voltage .

[IC 723 Voltage Regulators Working, Circuit Diagram ...](#)

The IC is also used in various applications like shunt regulator, current regulator. The IC having low standby current drain, which allow us to use the IC as linear or fold back current limiting, ... 2N3055 if I remember right, driven by a single 2N3055 which was in turn driven by the 723 IC.

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the " 723" voltage regulator (LM723CN, Jta723CN, or equivalent nurnber). It's adjustable from 2 to 37 volts, and has foldback current limiting. These features make it extremely versatile. This is basically an article on applications, but you'll still need an understanding of the circuit used with the 723 regulator (fig. 1!. basic components

[IC 723 Voltage Regulators Working, Circuit Diagram, Applications](#)

The LM723/LM723C is also useful in a wide range of other applications such as a shunt regulator, a current regulator or a temperature controller. The LM723C is identical to the LM723 except that the LM723C has its performance ensured over a 0°C to +70°C temperature range, instead of -55°C to +125°C. open-in-new Find other Linear ...

[Draw the functional block diagram of IC 723 voltage ...](#)

applications such as a shunt regulator, a current regulator or a temperature controller. 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 Y 150 mA output current without external pass transistor

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Specifications of IC Regulator 723: The Table 2.6 gives the electrical specifications of IC 723. In the Table 2.6 some of the specifications are specified depending upon the application area of IC 723. There are two application area namely military grade applications and commercial grade applications, denoted namely by M and C.

~~A Collection of Proper Design Practices using the LM723 IC ...~~

LM723 is an adjustable voltage regulator IC used for shunt regulator, current regulator, and temperature controller. It can able to provide a higher range of output voltage and current up to 10A by simply adding a series pass transistor with it, with having a wider range of operating temperature so the IC able to withstand for long.

~~LM723 Voltage Regulator Circuit Diagram~~

The 723 voltage regulator is an IC commonly used for series voltage regulator applications. It can be used as a positive or negative voltage regulator.

~~IC 723 Voltage Regulator | Functional Block Diagram of IC 723~~

The figure shown below is a positive voltage regulator with an IC 723. The output voltage can be set to any desired positive voltage between (7-37) volts. 7 volts is the reference starting voltage. All these variations are brought with the change of values in resistors R1 and R2 with the help of a potentiometer.

~~UNDERSTANDING AND USING 723VOLTAGE REGULATORS~~

if you look for exotic LM723 applications, some years ago I ran into one in an old East German book, "Harro Kühne: Schaltungspraxis für Meßgeräte". He used the MAA723 (Czechoslovakian clone) as a rail splitter to create a virtual ground for an opamp application. The schematic was dead-simple.

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IC 723 as a Low Voltage Regulator. The LM723 is the adjustable voltage regulator IC designed for series regulator application, with a current output of 150mA without external pass transistor. The above figure shows the Functional Diagram of IC 723. IC 723 has two sections:

~~IC LM 723 Voltage Regulator - electroSome~~

LM723. The applications of this IC mainly include current regulator as well as a shunt regulator. This IC includes low supply current drains that will allow using this IC like folding back current limiting, linear with the range of operating temperature -55 °C to 150 °C.

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