

## AVR VOLTAGE REGULATOR FOR RBXGND7900E

Reference: AVR FOR BXGND7900E



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A voltage regulator is an electronic device capable of maintaining a constant voltage at its ends, regardless of variations in the input voltage or the connected load. In other words, it stabilises the output voltage, eliminating fluctuations and spikes that could damage connected electronic devices.

Here are some examples of voltage regulator applications:

Power supplies for computers and electronic devices: Voltage regulators convert alternating (AC) mains voltage into direct current (DC) voltage at a specific, stable level suitable for powering internal components.

Cars: The voltage regulator in the car's electrical system keeps the battery voltage constant, ensuring the proper functioning of all electrical systems.

Electric generators: Voltage regulators are used in generators to keep the voltage supplied stable, irrespective of the load or the speed of rotation of the generator.

Solar panels: Voltage regulators are needed to convert the variable voltage produced by solar panels into a constant voltage compatible with batteries or the grid.

Protection of electronic devices: Prevents damage caused by voltage surges or spikes.

Improved energy efficiency: Reduces energy dissipation in the form of heat.

Reliable operation: Ensures stable and constant power supply to devices

Longer device life: Extends the service life of electronic devices by protecting them from damage caused by voltage fluctuations.

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### Technical Sheet

Product type

Scheda AVR