



3xPower For LED Arrays

- 3 Independent Power Regulators
- Input Range 5.5 - 36VDC
- Output Current Up To 2A Each
- Independent Current Limit On Each Output
- Three Outputs Individually Controlled
- Microprocessor Controlled For Smart Apps
- 2 Channels Of 0-5V Analog w/10 Bit Res.
- Self-Resetting Fuse For Load Faults
- Input Over Voltage Protection w/Auto Reset
- In-Circuit Programming
- Set Up For Potting In Outdoor Applications
- Customized Connectors Supported
- Non-Volatile Storage
- Size: 4.9"x 2.2"x 1.5" w/Mounting Feet



FUNCTIONAL DESCRIPTION

The 3xPower array is designed to supply controlled power to LED arrays where power dissipation is a critical problem. LED's in parallel-serial array configuration, and their associated current control circuits, must dissipate additional power beyond the essential requirements. Each color of LED has different requirements. The 3xPower product can be easily configured to handle arrays of three colors with optimized power for each. The result is lighting arrays that are more reliable and efficient. The 3xPower optimizes the power and removes the variability of the input power.

A front end microprocessor is included that can interface with external digital or analog signals to provide intelligent management of the LED's. This enables customized applications such as networking, specialized displays for advertising, and indicators that respond to sensors and environment conditions. The microprocessor can be programmed in-circuit and includes a full array of capabilities including non-volatile eeprom storage of parameters.

Input and output connections can be customized to suit individual requirements.

The 3xPower is 100% designed and manufactured in the USA. Support including customer service and customized software or hardware is readily available. Free software and custom design are available to qualified OEM customers. Code support is available at no charge to all developers.