

Optocoupler Amplifier Output

This application note describes isolation amplifier design principles for the LOC Series linear optocoupler devices. It describes the circuit operation in photoconductive and photovoltaic modes and provides ...

A goal of this application note is to illustrate the importance of the phase limitations that optocouplers have in power supply feedback loops. To this end other circuit topologies will be presented to ...

This servo operation linearizes the LED's output flux and eliminates the LED's time and temperature dependency. The galvanic isolation between the input and the output is provided by a second PIN ...

The output section of the amplifier is a voltage follower. The output voltage is equal to the voltage created by the output photocurrent times the photodiode load resistor, R2.

These optocouplers are designed for high-power applications. In these devices, the light from the LED triggers a photo-SCR, which then switches the output circuit on or off.

Typical optocouplers can handle input and output currents from a few microamps to tens of milliamps. There are many optocouplers on the market and to find the most appropriate for a particular purpose, ...

This application note will address output control techniques for linear and switch mode power supplies (SMPS). Specifically, it will cover control techniques using standard phototransistors and a new ...

This post shows the design of a low cost precision analog isolation amplifier using HCNR201 (HCNR200) optocoupler where input signal is galvanically isolated from output signal.

About This Designer's Guide Avago Technologies optocouplers can be used in an array of isolation applications ranging from power supply and motor control circuits to data communication and digital ...

In this activity, you will construct an optocoupler from an infrared LED and an NPN phototransistor. You will investigate the operation of an optocoupler-based analog isolation amplifier and floating current ...

This post shows the design of a low cost precision analog isolation ...

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