Using viper12a as an inverter

This application note describes a low power, (output power of 4.1W) general purpose adapter which is able to handle a wide range input voltages (88VAC to 265VAC).

This document describes a 3.6 watt travel adapter circuit using the VIPer12A integrated circuit. Key points: - The circuit uses a standard flyback converter topology with secondary current and voltage ...

Four different examples are covered. The VIPer12A-E is used for 12 V at 200 mA and 16 V at 200 mA. The VIPer22A-E is used for 12 V at 350 mA and 16 V at 350 mA. The same board can be used for ...

It demonstrates a regulation setup employing a TSM101-driven optocoupler with dual operational amplifiers and a voltage reference. This configuration enables precise control of both ...

What is a viper12a SMPS controller IC? The VIPER12A stands as a comprehensive SMPS controller IC featuring an integrated PWM controller paired with a potent power MOSFET on a single silicon chip. ...

It is possible to modify the output voltages by changing the transformer turns ratio and modifying the resistance values of R6 and R7 in the feedback loop. Figure 1. Initial release. Information furnished is ...

VIPer12A is a low cost monolithic smart power device with an integrated PWM controller that is suitable for such applications. In this paper a detailed analysis of VIPer12A in non isolated applications is ...

For more detailed instructions on using this IC, you can look at the VIPER12A Application Notes. This IC is mainly used as a buck regulator, designed to deliver output voltages of either 5V or 12V, and it can ...

In the paper an overview of not isolated topologies is carried out and some typical applications are analyzed us-ing the smart power integrated approach using VIPer12A.

Presented circuit can be used to produce a single, non isolated positive or negative voltage. It is dedicated for building an auxiliary power supply based on the VIPer12AS monolithic device with ...

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