

# Using viper12a as an inverter

What is a viper12a converter IC?

To initiate regulation, an initial voltage is necessary, typically supplied by a capacitor. The VIPER12A is a versatile offline converter IC used in various low-power applications that require high efficiency and a compact design. Some of its common applications include:

How does a viper12 IC work?

The DC voltage at C2 is then applied to the VIPer12 that works as a high side switch. It means the IC and corresponding supply and feedback loop circuitry is floating. The IC supply circuit consists of the high voltage diode D4, ceramic capacitor C7 low voltage D7 and capacitor C4.

What is a viper12a used for?

Industrial Power Supplies: In industrial settings, the VIPER12A finds use in various control circuits, auxiliary power supplies, and low-power converters for sensors and controls.

What is a viper12a led driver?

LED Lighting: Due to its high efficiency and ability to handle various input voltage ranges, the VIPER12A can be utilized in LED drivers for lighting applications, providing stable and efficient power.

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. This integration enables efficient conversion of a wide AC input voltage range spanning from 85V to 265V into lower-level output voltages, such as 5V.

What voltage is a viper22a-e used for?

The VIPer22A-E is used for 12 V at 350 mA and 16 V at 350 mA. The same board can be used for any output voltage from 10 V to 35 V. For outputs less than 16 V, D6 and C4 are populated and W1 is omitted. For outputs greater than 16 V, D6 and C4 are omitted and W1 is populated. For more design detail, see AN1357 &quot;VIPower: low cost power supplies using

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