

Low Standby Power Non-isolated CV Converter

The BP2525X is an ultra-low standby power non-isolated buck converter for constant output voltage application. The device is suitable for 85Vac~265Vac universal input and isolated auxiliary power supply.

The BP2525X integrates a high-voltage power MOSFET. With the output voltage and current control technique, it has the best CV regulation. The chip integrates a smart high voltage startup and power supply circuit.

The BP2525X features a V_{IN} & P_{IN} interruptible control, and powering VCC by output voltage, which contribute to very low standby power, high efficiency, excellent dynamic response and minimized audible noise.

The BP2525X is available in SOT33-5A package.

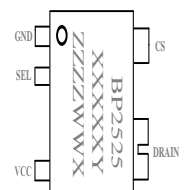
Features

- Standby power <20mW at 120Vac and 230Vac
- Fixed 3.3V and 5V output voltage
- Support direct 3.3V output without LDO
- Zero audible noise
- Internal High Voltage Power MOSFET
- Integrated HV startup
- Excellent dynamic response for smaller output voltage ripple
- ±5% output CV accuracy
- Integrated soft startup function
- SOT33-5A package

Protection Function

SOT33-5A package

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