

## BUCK Constant Current Driver

### DESCRIPTION

PM2116X is a high-precision LED constant current drive chip with integrated high-voltage start. It is suitable for Buck LED constant current power supply system of full voltage range

PM2116X integrates 500V JFET for power supply, does not require starting resistance or VCC capacitance, which greatly reduces the volume and cost of the main inductor.

PM2116X chip has a high-precision current sampling circuit. At the same time, advanced constant current control technology makes high-precision LED constant current output and excellent line regulation possible. PM2116X works on BCM mode, the output current does not change with the change of inductance and led working voltage, so as to achieve excellent load regulation.

PM2116X integrates multiple protection functions, such as cycle by cycle current limiting protection ( OCP ), LED open protection, LED short protection, over-temperature compensation...

PM2116X is packaged in SOP7/DIP7.

### FEATURE

- Integrated high voltage start and power supply
- no-CAP patented technology
- Wide voltage input application
- Adjustable OVP voltage
- BCM Mode
- LED open protection
- LED short protection
- Over-temperature compensation
- No flashback on shutdown
- No flashback at low input

### APPLICATIONS

- Bulb lighting/ panel lighting
- Ceiling lighting/T-tube lighting
- Others...

### TYPICAL APPLICATION

