

Boiai Ordering Part Number: PLED06A



More and more lighting of our daily life will depend on LED, bright the world and save energy.

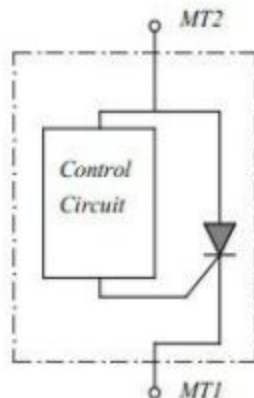
The PLED series is a two terminal LED protector with low dropout voltage rated for 500mA bypass current. Low operation current at monitoring mode and high bypass current capability at triggered mode. Build-in reverse diode for bypass reversed supply voltage. The PLED series is designed for parallel connection with power LED. It bypasses LED driving current when LED at open circuit condition. It also bypasses LED driving current at reverse connected driving current to LED.

### FEATURES

- RoHS compliant
- Bidirectional crowbar protection
- Automatically reset after power cycle
- Off-state current :  $I_r = 5\mu\text{A}$  max
- On-state Voltage:  $V_t = 1\text{V}$  max
- Advanced semiconductor technology

### MAJOR APPLICATIONS

- LED Lighting
- LED backlight for LCD TV/ Monitor
- High Power LED Protection



### PLED6xxx Electrical Characteristics (TA=25°C)

Parameter	Symbol	Conditions	Min	Typical	Max	Unit
Stand-off voltage	$V_{RM}$	$I = 1\text{m A}$	5.5			V
Breakover current	$I_{BO}$	measured @ $V_{BO}$		100		mA
Off-state current	$I_{RM}$	$V_{RM} = 5\text{V}$			5	$\mu\text{A}$
On-state voltage	$V_T$	$I_T = 1\text{A}$			3	V
On-state current	$I_T$			350		mA