

Featured Products Bulletin

LED SHUNT PROTECTOR PRODUCTS

ADVANCE NOTICE



Bourns Releases New LSP (Open LED Shunt Protector) Products

Riverside, California - TO BE RELEASED JANUARY 20, 2011 - Bourns is pleased to announce the release of LED Shunt Protector products for the LED lighting market. In LED lighting applications, solid-state lighting luminaires are commonly configured with long strings of multiple series LEDs driven from a relatively high voltage compliance, constant current power supply. In that configuration an open LED will cause a complete LED string to go dark, rendering the application useless or markedly compromised. This can lead to warranty returns or maintenance calls.

While low power LED string designs may have used zener diodes in this configuration, high power LEDs would require very large and expensive zener diodes. Placing the Bourns® LSP device across LEDs allows the remaining LEDs in a series string to continue to work when an LED fails open circuit.

Series	LSP0600	LSP0900	LSP1300	LSP1800
Type	LED Shunt Protector			
Repetitive Peak Off-state Voltage Symbol: VDRM / Unit: V	6.0	9.0	13.0	18.0
Typical Number of LEDs Spanned	1	2	3	4

The devices above are provided in SMB surface mount packages and meet industry standard requirements such as RoHS* and Pb Free solder reflow profiles.

The product data sheet with detailed specifications can be viewed on the Bourns website at www.bourns.com.

If you have any questions, please contact Bourns Customer Service.

Features

- Fast switching
- Automatic reset
- SMB package
- Suitable for industrial lighting environments
- RoHS compliant*

Applications

- LED streetlights
- LCD backlighting
- Display lighting
- Intrinsically safe lighting