

Featured Products Bulletin

CIRCUIT PROTECTION PRODUCTS

Bourns Releases New LSP (Open LED Shunt Protector) Products

Riverside, California - January 24, 2012 - Bourns is pleased to announce the release of Model [LSPxxxxAJR](#) Series 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 LED lighting applications, 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		LSP0600AJR-S	LSP0900AJR-S	LSP1300AJR-S	LSP1800AJR-S
Type		LED Shunt Protector			
Repetitive Peak Off-State Voltage	V _{DRM}	6.0V	9.0V	13.0V	18.0V
Typical Number of LEDs Spanned		1	2	3	4

The devices above are provided in SMA 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 our [Customer Service](#) team in your region.

Features

- Fast switching
- Automatic reset
- SMA package
- Surge protection
- Suitable for industrial lighting environments
- RoHS compliant*

Applications

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