Littelfuse
Expertise Applied | Answers Delivered

February 18, 2015

Littelfuse Introduces Time-lag Fuse with Enhanced Overcurrent Protection and Surge Withstand Capability

Ideal for protecting LED/LCD TVs, digital display systems, and digital signage



835 Series Product Image

CHICAGO, February 17, 2015 - Littelfuse, Inc., the global leader in circuit protection, has introduced the 835 Series Fuse, a time-lag, ceramic body AC fuse. The 835 Series is the first fuse from Littelfuse to combine an unparalleled I^2t value, a maximum interrupting rating of 1,500A@250Vac, and 1.5kA 8/20µs surge withstand capability in a 5x20mm footprint. Current ratings of 5A, 6.3A and 8A are available. This fuse, packaged in both cartridge and leaded versions, is designed to withstand frequent power surges and protect electronic devices installed in surge-prone environments. The 835 Series meets all the requirements outlined in global IEC 60127-2, Sheet 5 specification for time-lag fuses. It is RoHS compliant and 100% lead free.

Typical applications for the 835 Series include overcurrent protection for LED/LCD TVs, digital display systems, and digital signage.

"As LED/LCD TVs are becoming more and more affordable, they are widely installed in commercial and public sites that are subjected to higher AC line transients and lightning surge threats throughout their life cycle," said Ben Zheng, global product manager for the 835 Series fuse line. "The 835 Series reduces nuisance opening of fuses and withstands higher and more frequent power surges than other industry solutions, for improved reliability and robustness. For electronic device manufacturers, that means lower repair and warranty costs by decreasing the failure rate and minimizing field returns."

All 835 Series Fuses offer these key benefits:

- Higher I^2t and 1.5kA surge withstand capability reduces nuisance opening of fuses, improving the reliability of electronic devices.
- 5x22mm compact footprint saves space on the printed circuit board.
- Operating temperature range from -55°C to 125°C ensures robust performance and reliable protection in extreme temperature environments.

Availability
The 835 Series is available in quantities of 1,000 packaged in bulk. Sample requests can be placed through authorized Littelfuse distributors worldwide. For a listing of Littelfuse distributors, please visit Littelfuse.com.

For More Information
Additional information is available on the 835 Series product page and datasheet. If you have technical questions, please contact: Ben Zhang, Global Product Manager, bzheng@littelfuse.com.

About Littelfuse
Founded in 1927, Littelfuse is the world leader in circuit protection with growing global platforms in power control and sensing. The company serves global customers in the electronics, automotive and industrial markets with technologies including fuses, semiconductors, polymers, ceramics, relays and sensors. Littelfuse has over 8,000 employees in more than 35 locations

throughout the Americas, Europe and Asia. For more information, please visit the Littelfuse website: littelfuse.com.

LFUS-P

Media Contact:
Rhonda Stratton
Global Marketing Communications Manager
Electronics Products, Littelfuse, Inc.
773-628-0644
rstratton@littelfuse.com
https://twitter.com/littelfuse