Littelfuse Xtreme Varistor Series is specifically designed for applications requiring high surge energy/current absorption and multiple surge pulse withstanding capability. Xtreme Varistor Series is available in six nominal disc sizes: 5 mm, 7 mm, 10 mm, 11 mm, 14 mm, and 20 mm.

**Applications**

- Home appliance
- Outdoor LED lighting driver/power supply
- Switch Mode Power Supply (SMPS)
- Surge Protection Device (SPD) Type 2, Type 3, and Type 4CA
- Ground Fault Circuit Interrupter (GFCI and AFCI)
- Smart E-meter
- Home automation and security systems: fire alarm, smoke detector

**Features**

- High operating temperature: 125°C
- High surge energy/current absorption withstanding capability
- Safety agency approvals: UL, IEC and CQC
- RoHS compliant, Halogen-free and Pb-free
- Passed Needle Flame Test per IEC 61051-1

**Benefits**

- More reliable and suitable for high operating temperature products
- Extend product reliability and lifespan
- Compliant with global safety standards
- Environment-friendly
- Suitable for operational environments requiring UL 94 V0 flammability rating
Xtreme provides an ideal circuit protection solution for middle and high voltage applications by offering higher surge ratings than ever before available in such small disc sizes.

The extremely outstanding Imax and In surge capability can compete with the larger size that are mainstream in the market. For example, 20mm market mainstream parts can be replaced by Xtreme 14mm, it reduces end product weight and saves space.

Key advantages over other suppliers:

- Higher Maximum Peak Current (8/20, 1 x Pulse) Imax (A)
- Higher Nominal Discharge Current (8/20, 15 x Pulses) In (A)
- Higher Maximum Operating Temperature