SMALLEST
AC SMT FUSES
125/250VAC

Surface Mount AC
Fuses for Compact
Applications
470 & 476 Series

With a 1206 footprint, the 470 Series is the smallest 125VAC-rated fast-acting fuse in the Littelfuse SMT fuse portfolio. This series exhibits high breaking capacity with unparalleled surge tolerance. It’s suitable for protecting compact applications against overload conditions.

The 476 Series is a family of 250VAC-rated surface mountable fuses in a very small 2410 footprint. It is the smallest fuse with this high voltage rating from the Littelfuse SMT fuse portfolio. It’s designed mainly to serve as primary side circuit protection for compact applications with high voltage requirements.

Applications
• LED Lighting
• LCD/LED TVs
• Notebooks/PCs
• White Goods
• Gaming Consoles
• Power Supply Units
The smallest 125VAC- and 250VAC-rated SMT fuses with 1206 and 2410 footprints

**Features**
- Surface Mount Type AC fuse
- Smallest footprint
  - 470 Series – 1206
  - 476 Series – 2410
- High operating temperature at 125°C
- Surge Immunity Capability
  - 470 Series – US: ENERGY STAR® (1.5A and above ampere rating only)
  - 476 Series – Global: IEC 61000-4-5 2 ed. (3A and above ampere rating only)
- RoHS compliant and halogen-free

**Benefits**
- SMT is the future trend for compact applications with space constraints; it also enables higher speed and yield in manufacturing processes
- Occupies less board space
- Suitable for high temperature applications such as LED lighting
- Withstands surge from AC power line and keeps LED light bulb/tube working continuously

**470 vs 476 Comparison**

<table>
<thead>
<tr>
<th>Feature</th>
<th>470 Series</th>
<th>476 Series</th>
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</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>125Vac</td>
<td>250Vac</td>
</tr>
<tr>
<td>Current</td>
<td>0.5A–2A</td>
<td>1A–15A</td>
</tr>
<tr>
<td>Footprint</td>
<td>1206</td>
<td>2410</td>
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<tr>
<td>Interrupting</td>
<td>50A</td>
<td>100A</td>
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<tr>
<td>Surge Withstanding</td>
<td>ENERGY STAR®, ring wave, 2.5kV (1.5A rating and above)</td>
<td>IEC61000-4-5 2 ed., CombinationWave 500V/250A (3A rating and above)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-55°C to 125°C</td>
<td>-55°C to 125°C</td>
</tr>
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The 470 Series is designed to provide circuit protection for compact applications or as direct replacement to the standard 2410 Fuses. The platform itself is a breakthrough, eliminating the use of internal solders, which makes it 100% lead-free.

The 476 Series is the smallest SMT fuse with 250V voltage rating offered in the Littelfuse SMT fuse portfolio. It is designed to serve as the primary side circuit protection for compact devices with high voltage requirement.

1 ENERGY STAR® is a registered trademark for the Department of Energy