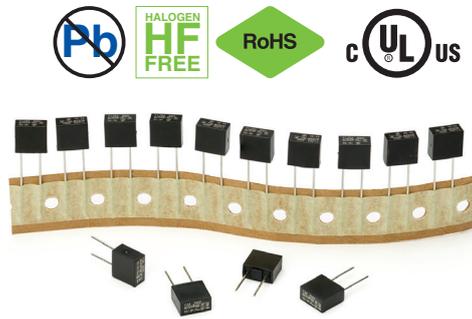


# SS-5FH

## Subminiature fast-acting fuses



### Applications

- Primary circuit protection for lighting ballasts
- LED Lighting primary protection
- High short-circuit current devices

### Agency information

- cULus, File E19180, Guide JDYX/JDYX7

### Ordering

- Specify product and packaging code (i.e., SS-5FH-3.15A-AP)

### Product features:

- Halogen free, lead free, RoHS compliant
  - Fast-acting, high breaking capacity subminiature fuse
  - Plastic cap and base, flammability UL 94V0
  - Lead wire with tin-plated copper, diameter 0.6 mm
  - Protects against harmful overcurrents in primary and secondary applications
  - Small radial-leaded design minimizes board space and eliminates need for additional mounting components
- Designed to UL 248-14

**Electrical characteristics**

Amps	1.0I <sub>n</sub>	1.5I <sub>n</sub>	2.0I <sub>n</sub>
3.15 A	4 hours, min	10 minutes, max	2 minutes, max

**Specifications**

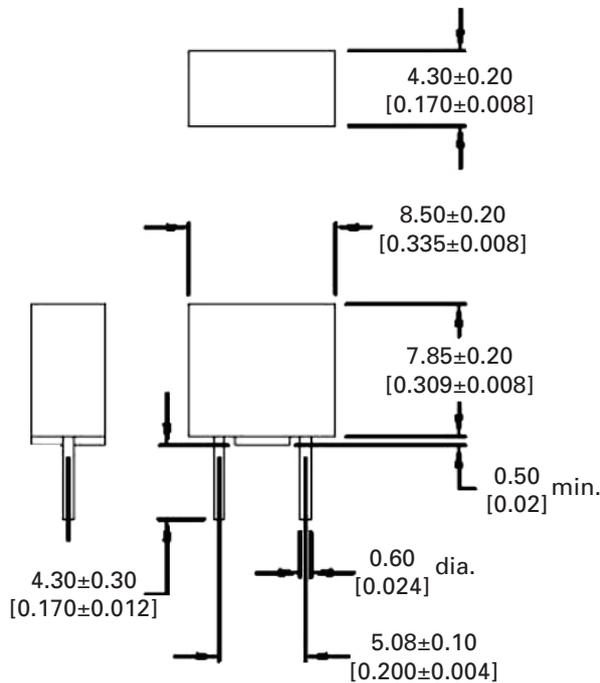
Part number	Voltage rating AC	Voltage rating DC	Interrupting rating (amps) @ rated voltage (50 Hz) AC <sup>1</sup>	Interrupting rating (amps) @ rated voltage DC	Typical DC cold resistance (mΩ) <sup>2</sup>	Typical pre-arcing I <sup>2</sup> t (A <sup>2</sup> s) <sup>3</sup>	Typical voltage drop @ 1I <sub>n</sub> (mV) <sup>4</sup>	Max power dissipation @ 1I <sub>n</sub> (mW) <sup>5</sup>	Agency information
									cULus
SS-5FH-3.15A	350	150	100	100	31.5	22.5	168	675	X

1. Interrupting ratings: measured at 100 A, 95% to 100% PF on AC.
2. Typical DC cold resistance (measured at <10% of rated current).
3. The typical I<sup>2</sup>t value is measured at 10 times of I<sub>n</sub>.
4. Typical voltage drop @ 1I<sub>n</sub> (measured at +20 °C ambient temperature at rated current).
5. Maximum power dissipation (measured at +20 °C ambient temperature at rated current).

**Packaging Codes**

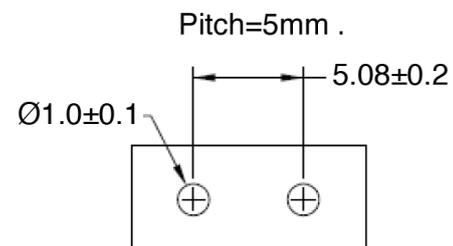
-BK	200 fuses in a polybag, lead length L = 4.3±0.3.
-AP	Ammo Pack, 1000 fuses, pitch = 12.7

**Dimensions - mm [in]**

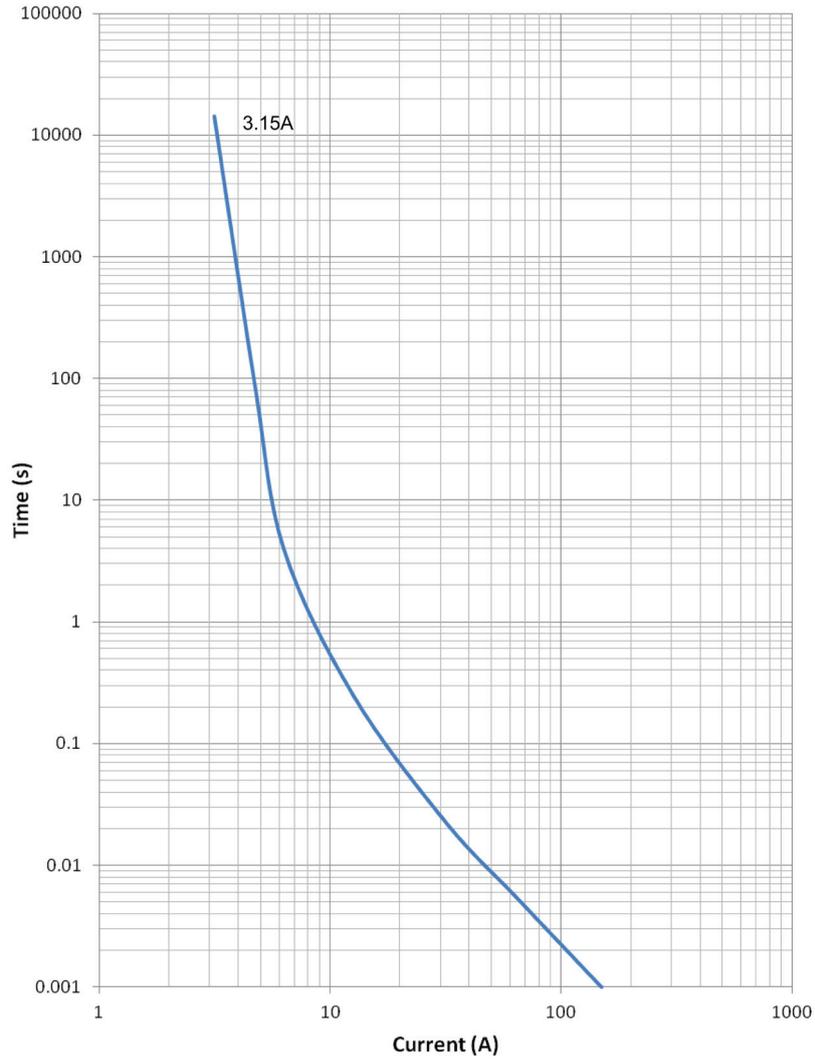


BK Pack

**Recommended pad layout**



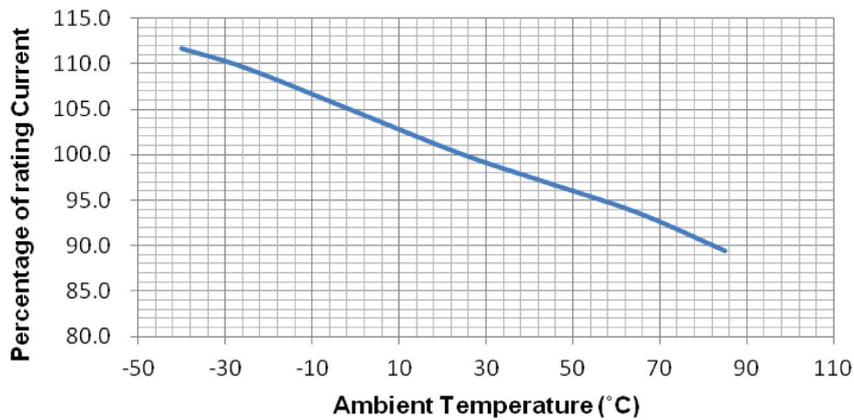
**Time-current curves**



**Temperature derating curve**

- Normal operating temperature: +25 °C ± 2 °C
- Operating temperature range: -40 °C to +85 °C with proper correction factor applied

**Correction factor chart**

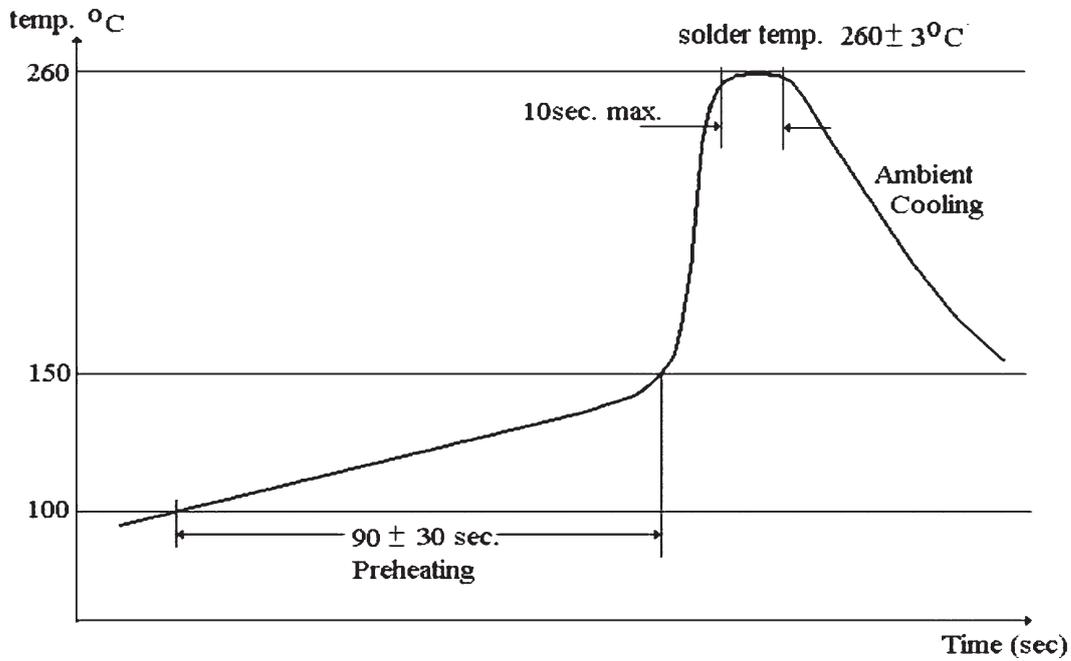


**Soldering**

Wave solder

Reservoir temperature: 260°C, Max.10Sec.

Recommended Profile



**Manual solder**

350 °C, 4-5Sec. (by soldering iron), generally manual, hand soldering is not recommended.

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