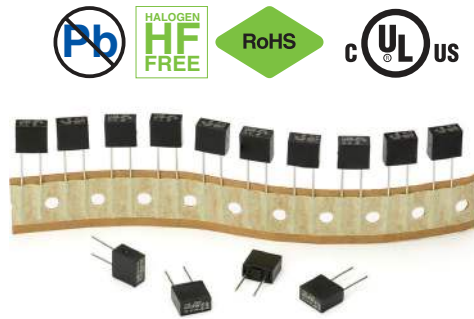


SS-5FH

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 _n	1.5I _n	2.0I _n
3.15 A	4 hours, min	10 minutes, max	2 minutes, max

Specifications

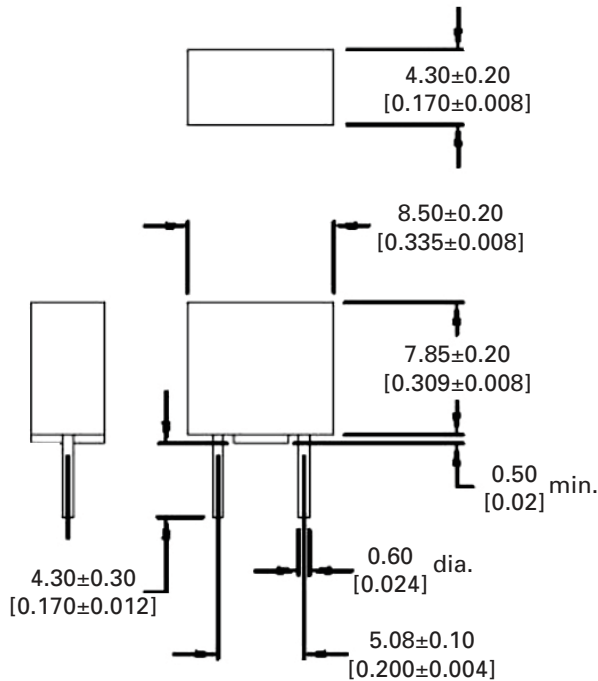
Part number	Voltage rating AC	Voltage rating DC	Interrupting rating (amps) @ rated voltage (50 Hz) AC ¹	Interrupting rating (amps) @ rated voltage DC	Typical DC cold resistance (mΩ) ²	Typical pre-arcing I ² t (A ² s) ³	Typical voltage drop @ 1I _n (mV) ⁴	Max power dissipation @ 1I _n (mW) ⁵	Agency information
									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 I²t value is measured at 10 times of I_n.
4. Typical voltage drop @ 1I_n (measured at +20 °C ambient temperature at rated current).
5. Maximum power dissipation (measured at +20 °C ambient temperature at rated current).

Packaging Codes

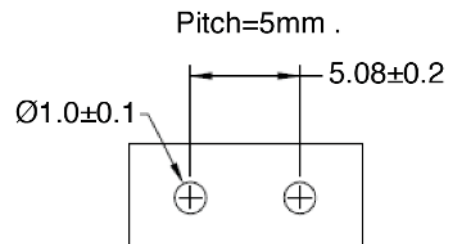
-BK	200 fuses in a polybag, lead length L = 4.3±0.3.
-AP	Ammo Pack, 1000 fuses, pitch = 12.7

Dimensions - mm [in]

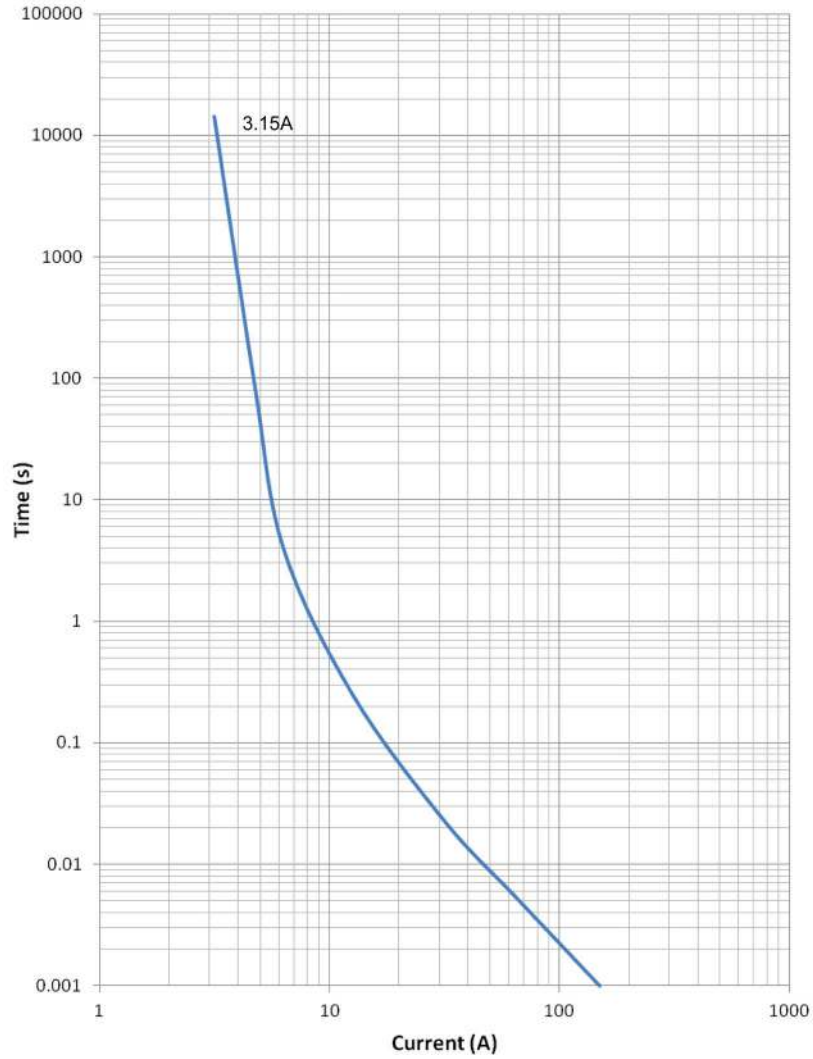


BK Pack

Recommended pad layout



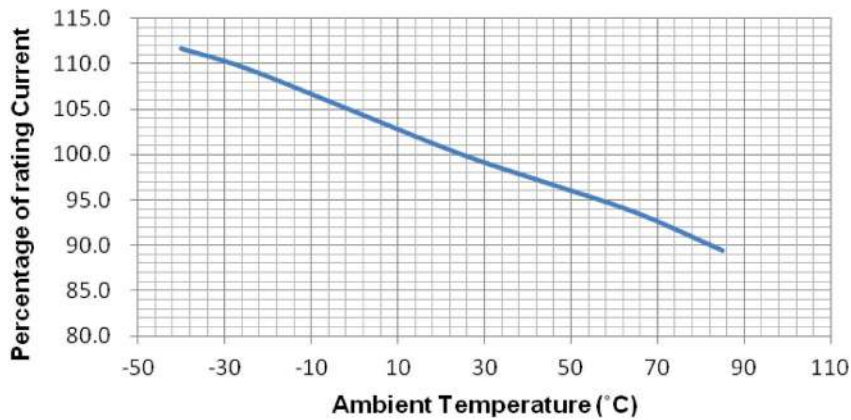
Time-current curves



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

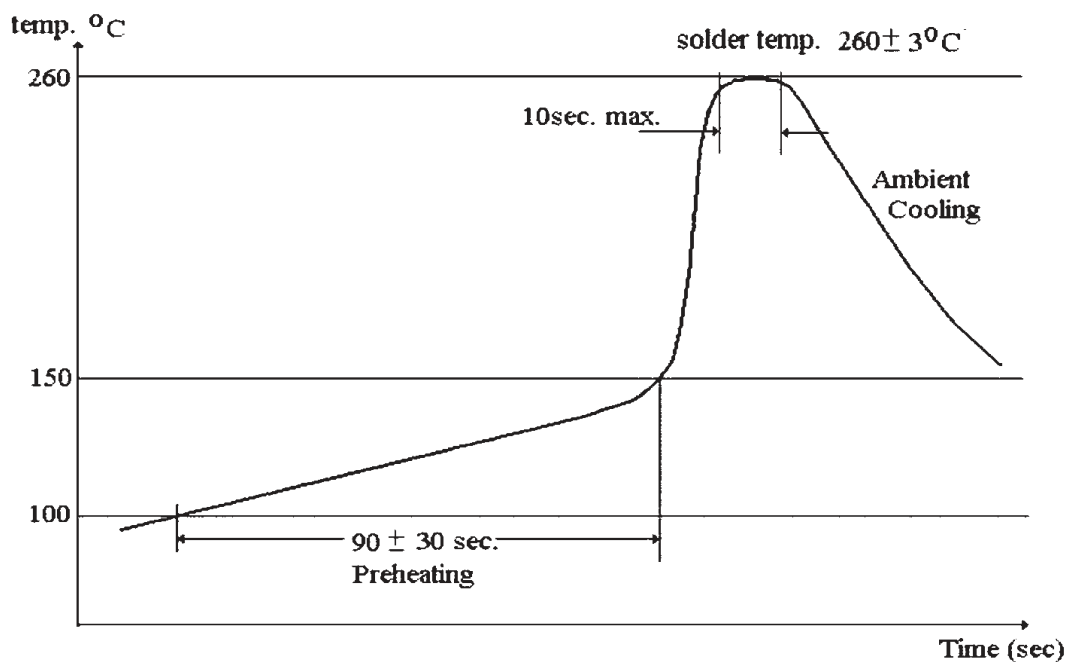


Soldering

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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