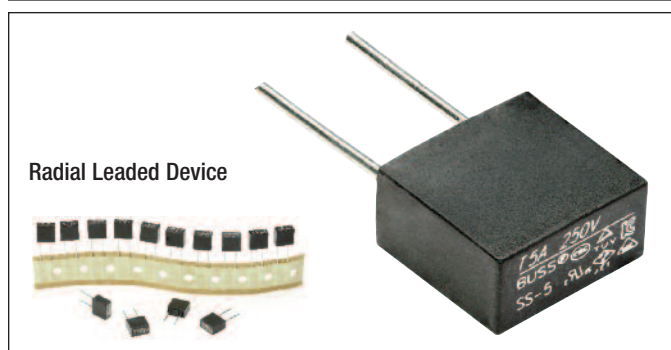


## Subminiature Radial Leaded, Time-Delay Fuses

### SS-5 Series



| Electrical Characteristics |                          |                          |                       |         |                    |        |                     |        |
|----------------------------|--------------------------|--------------------------|-----------------------|---------|--------------------|--------|---------------------|--------|
| Rated Current              | 1.5 x I <sub>n</sub> min | 2.1 x I <sub>n</sub> max | 2.75 x I <sub>n</sub> |         | 4 x I <sub>n</sub> |        | 10 x I <sub>n</sub> |        |
|                            |                          |                          | min                   | max     | min                | max    | min                 | max    |
| 400mA-6.3A                 | 1hr                      | 2 min                    | 400 mS                | 10 Sec. | 150 mS             | 3 Sec. | 20 mS               | 150 mS |

#### Description

- Time-delay subminiature fuse with low breaking capacity
- Plastic cap and base, flammability UL 94V0
- Lead wire with tin-plated copper, diameter 0.6mm
- Protects against harmful overcurrents in primary and secondary applications
- Small rectangular-leaded design minimizes board space and eliminates need for additional mounting components
- Designed to IEC 60127-3 Sheet 4 (400mA - 4A) and extension 5A, 6.3A

#### Agency Information

- cURus: File E19180, Guide JDYX2/JDYX8
- VDE: File 40015513
- SEMKO: File 902107, File 1018789
- CQC: File CQC08012025533, File CQC09012035490.
- PSE: File JET1641-31007-1001, JET1641-31007-1002
- KC-Mark: File SU05011-8001, SU05011-8002, SU05011-8003

#### Specifications

- Solderability: EIA-186-9E Method 9
- High frequency vibration: MIL-STD-202F, Method 201A
- Operating temperature: -40°C to +125°C
- Soldering heat resistance: 260°C, 10 sec. max (IEC 60068-2-20)

#### Ordering

- Specify product and packaging code (i.e., SS-5-1A-AP)

| Specifications |                      |                                                     |                                    |                                 |                                            |                  |       |       |     |         |
|----------------|----------------------|-----------------------------------------------------|------------------------------------|---------------------------------|--------------------------------------------|------------------|-------|-------|-----|---------|
| Catalog Number | Voltage Rating (Vac) | Interrupting Rating (amps) @ Rated Voltage (50Hz)** | Typical DC Cold Resistance (mΩ)*** | Typical Melting I <sup>††</sup> | Typical Voltage Drop@1I <sub>n</sub> (mV)‡ | Agency Approvals |       |       |     |         |
|                |                      |                                                     |                                    |                                 |                                            | VDE              | SEMKO | cRUus | CQC | KC-Mark |
| SS-5-400mA     | 250                  | 35                                                  | 330                                | 1.67                            | 147                                        | X                |       | X     | X   | X       |
| SS-5-500mA     | 250                  | 35                                                  | 257.5                              | 1.79                            | 151.5                                      | X                | X     | X     | X   | X       |
| SS-5-630mA     | 250                  | 35                                                  | 140                                | 1.51                            | 100.5                                      | X                | X     | X     | X   | X       |
| SS-5-800mA     | 250                  | 35                                                  | 118                                | 4.21                            | 110.5                                      | X                | X     | X     | X   | X       |
| SS-5-1A        | 250                  | 35                                                  | 80.75                              | 7.4                             | 94.5                                       | X                | X     | X     | X   | X       |
| SS-5-1.25A     | 250                  | 35                                                  | 624                                | 12.75                           | 93.5                                       | X                | X     | X     | X   | X       |
| SS-5-1.6A      | 250                  | 35                                                  | 41                                 | 23                              | 71.5                                       | X                | X     | X     | X   | X       |
| SS-5-2A        | 250                  | 35                                                  | 31.15                              | 29.8                            | 75                                         | X                | X     | X     | X   | X       |
| SS-5-2.5A      | 250                  | 35                                                  | 24.30                              | 40.3                            | 74.5                                       | X                | X     | X     | X   | X       |
| SS-5-3.15A     | 250                  | 35                                                  | 16.75                              | 67                              | 62.5                                       | X                | X     | X     | X   | X       |
| SS-5-4A        | 250                  | 40                                                  | 12.75                              | 87                              | 65.4                                       | X                | X     | X     | X   | X       |
| *SS-5-5A       | 250                  | 50                                                  | 7.35                               | 120                             | 43                                         | X                | X     | X     | X   | X       |
| *SS-5-6.3A     | 250                  | 63                                                  | 7.40                               | 176                             | 59                                         | X                | X     | X     | X   | X       |

\* Conducting path min. 0.2mm<sup>2</sup>

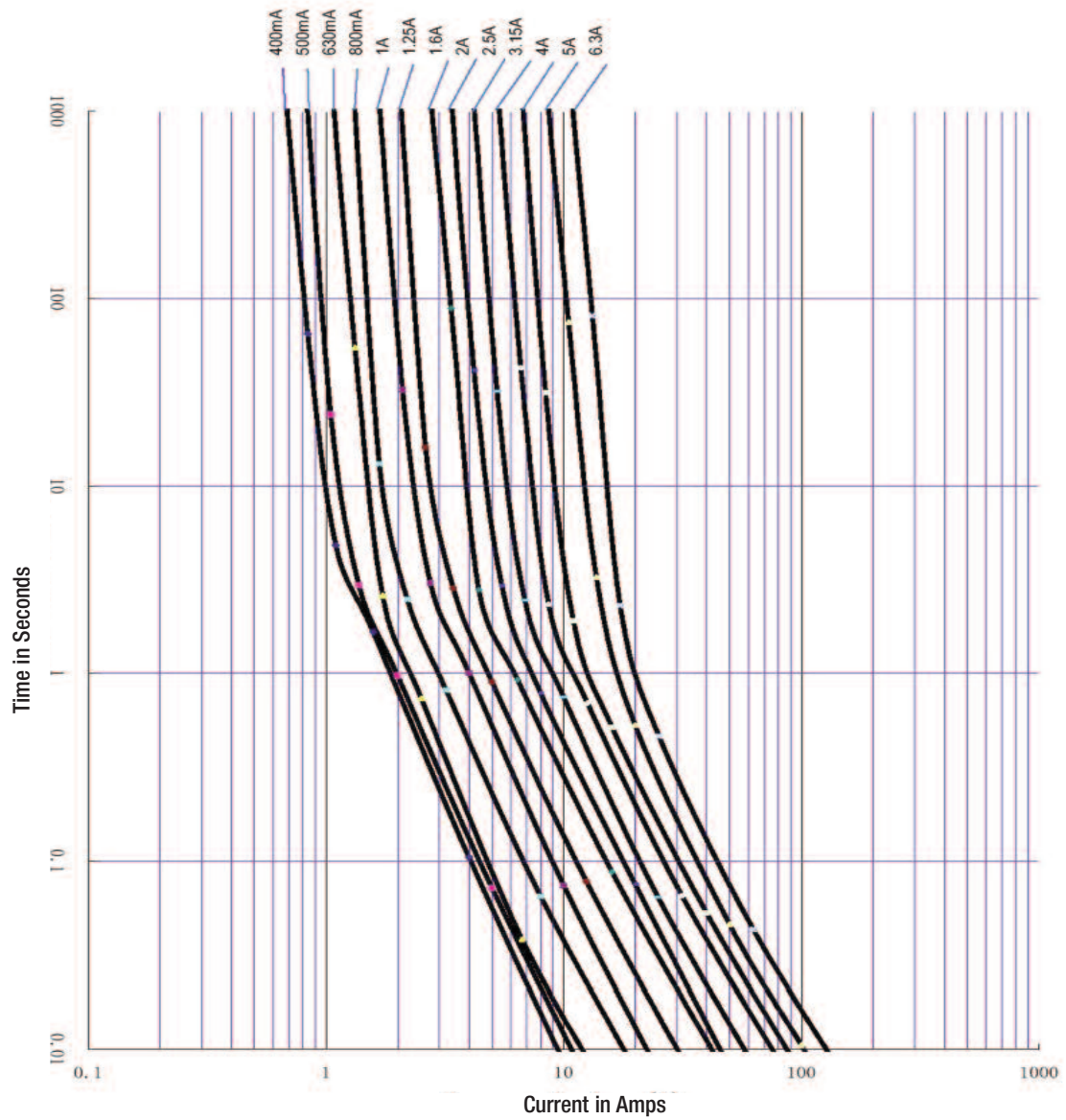
\*\* Interrupting ratings: 400mA-3.15A were measured at 35A, 95%-100% of PF on AC; 4A, 5A & 6.3A measured at 10x Rated Current, 95%-100% of PF on AC.

\*\*\* Typical cold resistance measured at <10% of rated current.

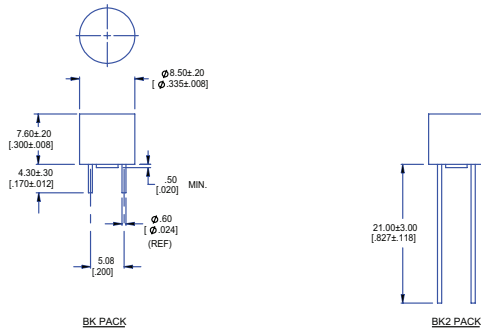
† I<sup>††</sup> value is measured at 10I<sub>n</sub> DC.

‡ Typical voltage drop measured at 20°C ambient temperature at rated current.

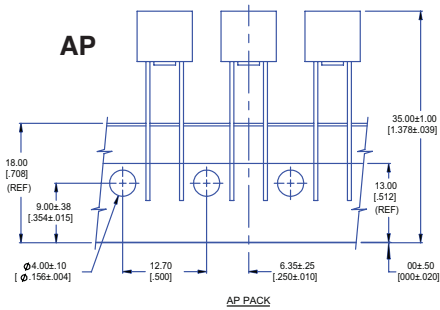
Time-Current Curves



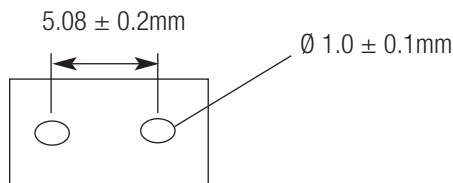
## Dimensions – mm



## Packaging Information – mm [in]



## Land Pattern



| Packaging Code        |                                          |
|-----------------------|------------------------------------------|
| Packaging Code Suffix | Description                              |
| -BK                   | 200 fuses in polybag, Lead L = 4.3 ± 0.3 |
| -BK2                  | 200 fuses in polybag, Lead L = 21 ± 3.0  |
| -AP                   | 1000 fuses Ammo Pack, Pitch = 12.7       |

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