

# SR-5

## Subminiature time-delay fuses



### Product features

- Radial leaded time-delay thru-hole fuse
- Designed to IEC 60127-3, Sheet 4
- Internationally accepted for primary and secondary overcurrent protection
- Place directly into PCB or plug into BK/PCS holder
- High inrush withstand capability
- Compatible with leaded and lead-free reflow and wave solder

### Agency information

- KC: SU05011-9001 3.15A~6.3A, SU05011-9002 1~2.5A, SU05011-9003 40mA~100mA, SU05011-9004 125mA~800mA
- PSE+JET: JET1641-31007-1001 1~5A, JET1641-31007-1002 6.3A
- CCC: 2009010207370507 40mA~4A
- CQC: CQC09012037502 5A, 6.3A
- SEMKO: 1023113 40mA~6.3A
- cURus: Guide JDYX2, File E306920&E19180 and Guide JDYX8, File E306920&E19180
- VDE: File122052, 40020046

### Environmental data

- 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 information

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

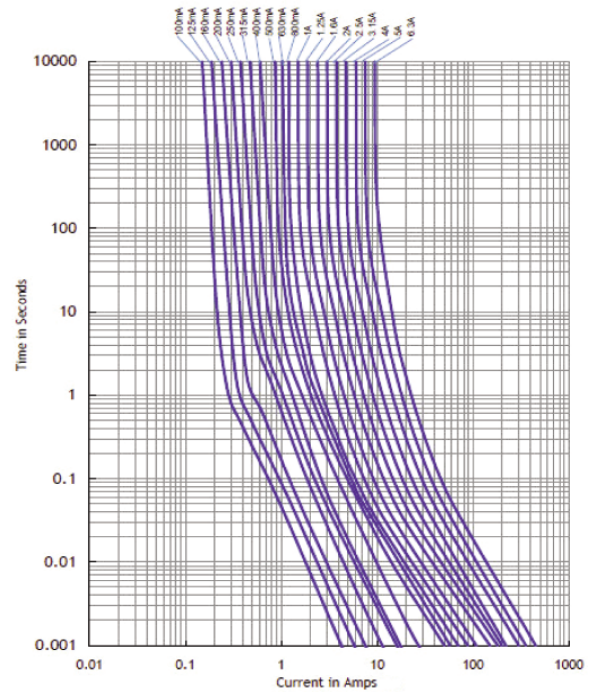
| Rated Current | Electrical Characteristics |       |                      |        |                       |       |                    |        |                     |     |
|---------------|----------------------------|-------|----------------------|--------|-----------------------|-------|--------------------|--------|---------------------|-----|
|               | 1.5 x I <sub>n</sub>       |       | 2.1 x I <sub>n</sub> |        | 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   | min                | max    | min                 | max |
| 100mA-6.3A    | 1 hr                       | 2 min | 400 mS               | 10 Sec | 150 mS                | 3 Sec | 20 mS              | 150 mS |                     |     |

| Part Number | Voltage Rating AC | Interrupting Rating (amps) @ Rated Voltage | Typical DC Cold Resistance (Ω) | Typical Melting** I <sup>2</sup> t (@1mS) | Voltage Drop mV @ 20°C Rated Current | Agency Information |       |       |      |          |       |
|-------------|-------------------|--|--------------------------------|---|--------------------------------------|--------------------|-------|-------|------|----------|-------|
|             |                   |  |                                |   |                                      | VDE                | SEMKO | cURus | CCC  | KC-Mark  | PSE   |
|             |                   |  |                                |   |                                      | SR-5-100mA         | 250   | 35    | 2.37 | 0.015155 | 288.5 |
| SR-5-125mA  | 250               | 35   | 1.6                            | 0.026783                                  | 238                                  | x                  | x     | x     | x    | x        |       |
| SR-5-160mA  | 250               | 35   | 1.02                           | 0.039097                                  | 196.5                                | x                  | x     | x     | x    | x        |       |
| SR-5-200mA  | 250               | 35   | 0.94                           | 0.168832                                  | 215.5                                | x                  | x     | x     | x    | x        |       |
| SR-5-250mA  | 250               | 35   | 0.66                           | 0.24778                                   | 185                                  | x                  | x     | x     | x    | x        |       |
| SR-5-315mA  | 250               | 35   | 0.43                           | 0.2772                                    | 152                                  | x                  | x     | x     | x    | x        |       |
| SR-5-400mA  | 250               | 35   | 0.285                          | 0.771618                                  | 127                                  | x                  | x     | x     | x    | x        |       |
| SR-5-500mA  | 250               | 35   | 0.242                          | 2   | 143.5                                | x                  | x     | x     | x    | x        |       |
| SR-5-630mA  | 250               | 35   | 0.154                          | 3.5                                       | 113                                  | x                  | x     | x     | x    | x        |       |
| SR-5-800mA  | 250               | 35   | 0.112                          | 6.5                                       | 104.5                                | x                  | x     | x     | x    | x        |       |
| SR-5-1A     | 250               | 35   | 0.085                          | 7.5                                       | 100                                  | x                  | x     | x     | x    | x        | x     |
| SR-5-1.25A  | 250               | 35   | 0.061                          | 13  | 91                                   | x                  | x     | x     | x    | x        | x     |
| SR-5-1.6A   | 250               | 35   | 0.043                          | 24  | 102                                  | x                  | x     | x     | x    | x        | x     |
| SR-5-2A     | 250               | 35   | 0.031                          | 30  | 74.5                                 | x                  | x     | x     | x    | x        | x     |
| SR-5-2.5A   | 250               | 35   | 0.024                          | 45  | 72.5                                 | x                  | x     | x     | x    | x        | x     |
| SR-5-3.15A  | 250               | 35   | 0.018                          | 57  | 70.25                                | x                  | x     | x     | x    | x        | x     |
| SR-5-4A     | 250               | 40   | 0.012                          | 80  | 62                                   | x                  | x     | x     | x    | x        | x     |
| *SR-5-5A    | 250               | 50   | 0.010                          | 95.4                                      | 57.5                                 | x                  | x     | x     | CQC  | x        | x     |
| *SR-5-6.3A  | 250               | 63   | 0.008                          | 200                                       | 60.85                                | x                  | x     | x     | CQC  | x        | x     |

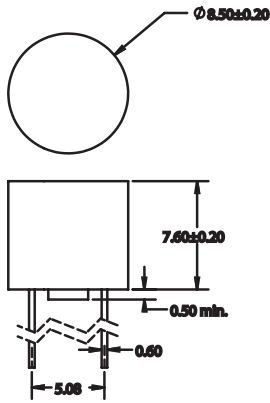
\* Conducting Path min. 0.2mm<sup>2</sup>

\*\* I<sup>2</sup>t value for 100mA to 400mA is measured at 100In. I<sup>2</sup>t value for 500mA to 6.3A is measured at 10In.

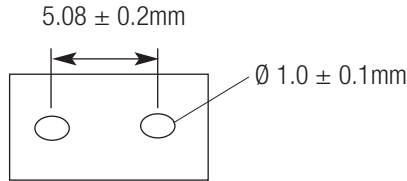
Time-Current Curves



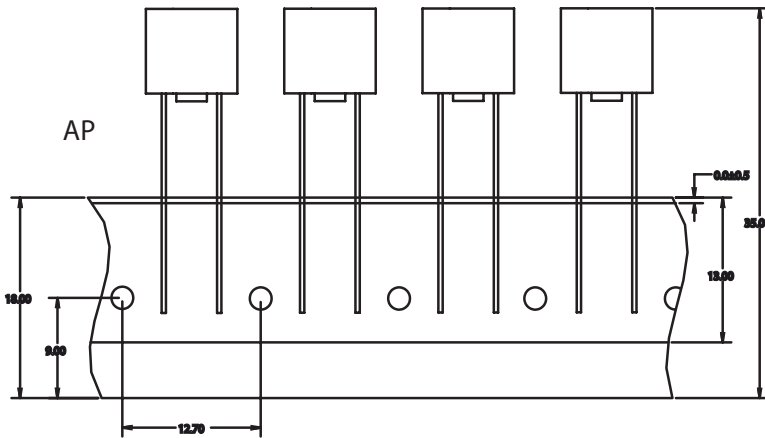
Dimensions – mm



Land Pattern

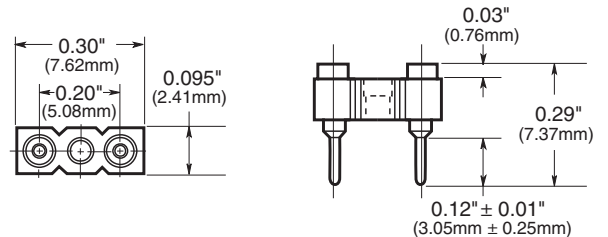


Packaging Information – mm



PCS Mounting Socket (RoHS compliant)- mm [in]

- Available as option. Specify catalog number BK/PCS (in bulk 100 per bag)



| Packaging Code        |  |
|-----------------------|--|
| Packaging Code Suffix | Description  |
| -AP                   | Ammo-pack taped 1000 per box (see Packaging Information for lead configurations) |
| -BK, -BK2             | In bulk 200 per bag (see Packaging Information for lead configurations)          |

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