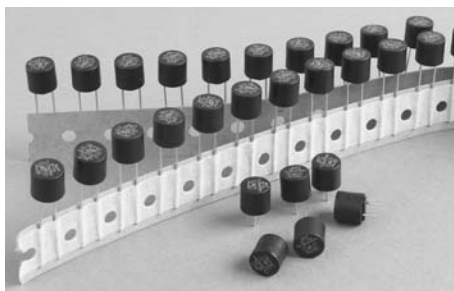


# SR-5F

## Subminiature fast-acting fuses



### Product features

- Fast-acting, low 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 (BK/PCS holder optional if field replacement is desirable)
- Designed to UL 248-14

### Regulatory compliance

- UL Listed: File E19180 JDXY1, JDXY7
- PSE: File JET5766-31007-1001, File JET5766-31007-1002

### 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-5F-1A-AP)

| Electrical Characteristics |                       |                         |                       |
|----------------------------|-----------------------|-------------------------|-----------------------|
| Rated Current              | 1 xI <sub>n</sub> min | 1.5 xI <sub>n</sub> max | 2 xI <sub>n</sub> max |
| 800mA-10A                  | 4hr                   | 10 min                  | 2 min                 |

| Specifications |                      |                                                     |                                  |                                   |                               |                                        |                  |   |
|----------------|----------------------|-----------------------------------------------------|----------------------------------|-----------------------------------|-------------------------------|----------------------------------------|------------------|---|
| Catalog Number | Voltage Rating (Vac) | Interrupting Rating (amps) @ Rated Voltage (50Hz)** | Typical DC Cold Resistance (Ω)** | Typical Melting I <sup>2</sup> t† | Maximum Voltage Drop@1h (mV)‡ | Maximum Power Dissipation @ 1In(mW)††† | Agency Approvals |   |
| SR-5F-800mA    | 250                  | 50                                                  | 0.245                            | 1.5                               | 400                           | 320                                    | X                |   |
| SR-5F-1A       | 250                  | 50                                                  | 0.171                            | 2.6                               | 400                           | 400                                    | X                | X |
| SR-5F-1.25A    | 250                  | 50                                                  | 0.116                            | 4.4                               | 330                           | 413                                    | X                | X |
| SR-5F-1.6A     | 250                  | 50                                                  | 0.076                            | 6.9                               | 330                           | 528                                    | X                | X |
| SR-5F-2A       | 250                  | 50                                                  | 0.058                            | 9                                 | 330                           | 660                                    | X                | X |
| SR-5F-2.5A     | 250                  | 50                                                  | 0.049                            | 15                                | 330                           | 825                                    | X                | X |
| SR-5F-3.15A    | 250                  | 50                                                  | 0.037                            | 23.2                              | 330                           | 1040                                   | X                | X |
| SR-5F-4A       | 250                  | 50                                                  | 0.026                            | 35.4                              | 330                           | 1320                                   | X                | X |
| *SR-5F-5A      | 250                  | 50                                                  | 0.018                            | 55                                | 250                           | 1250                                   | X                | X |
| *SR-5F-6.3A    | 125                  | 50                                                  | 0.015                            | 75                                | 250                           | 1575                                   | X                | X |
| *SR-5F-7A      | 125                  | 50                                                  | 0.011                            | 107                               | 250                           | 1750                                   | X                | X |
| *SR-5F-8A      | 125                  | 50                                                  | 0.010                            | 120                               | 200                           | 1600                                   | X                | X |
| *SR-5F-10A     | 125                  | 50                                                  | 0.007                            | 145                               | 200                           | 2000                                   | X                | X |

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

\*\*Interrupting ratings measured at 50A, 95%-100% of PF on AC.

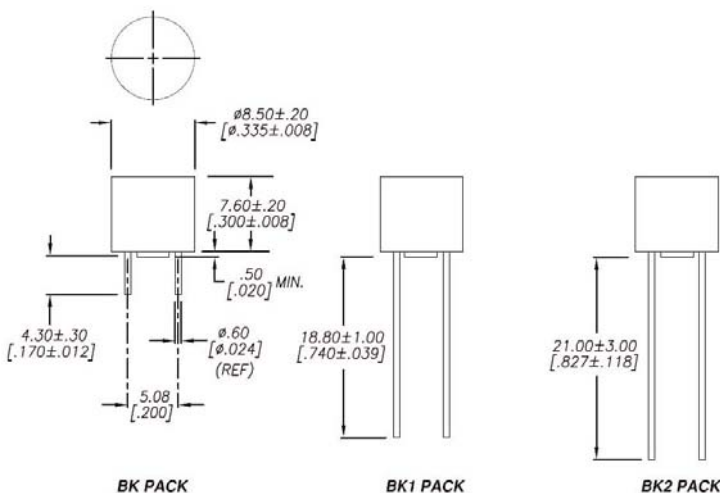
\*\*\*Typical DC Cold Resistance measured at <10% of rated current.

†Typical Melting I<sup>2</sup>t measured at 10I<sub>n</sub>.

‡Maximum Voltage Drop measured at 20°C ambient temperature at rated current.

†††Maximum Power Dissipation measured at 20°C ambient temperature at rated current.

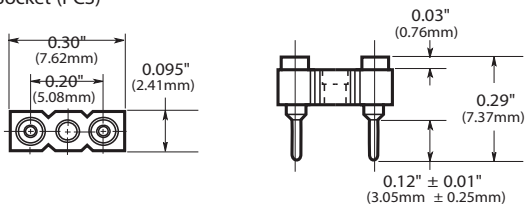
## Dimensions - mm / [inches]



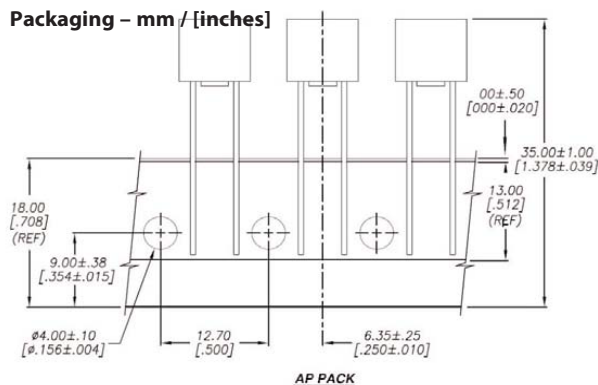
### Mounting Socket (RoHS compliant)

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

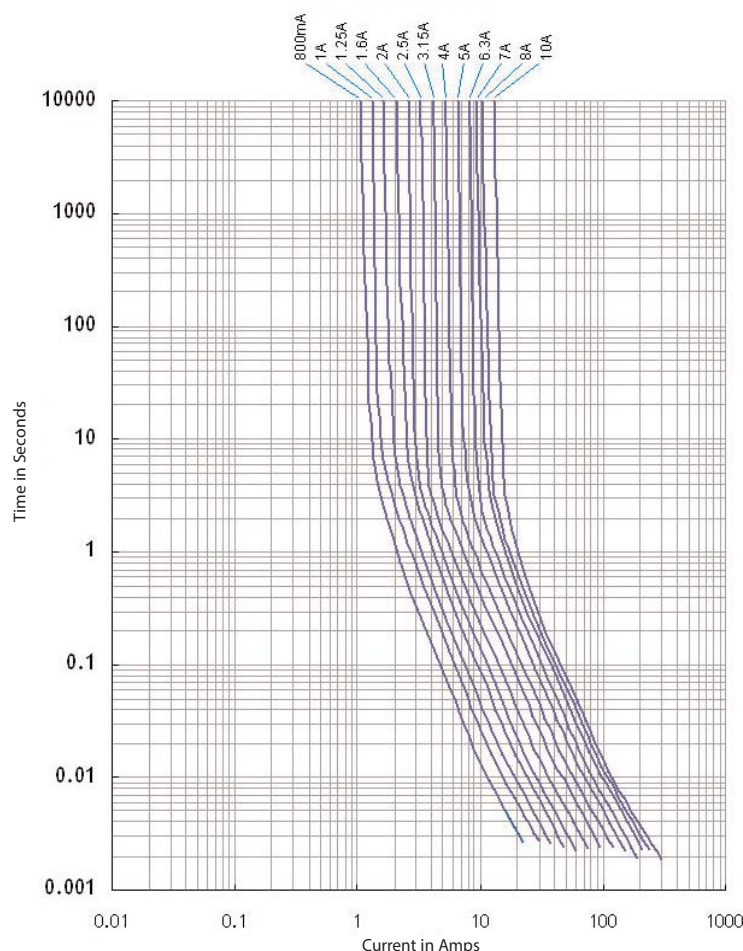
### Socket (PCS)



## Packaging - mm / [inches]



## Time-Current Curve



## Packaging Code

| Packaging Suffix | Description                                   |
|------------------|-----------------------------------------------|
| -BK              | 200 fuses in polybag, Lead L = $4.3 \pm 0.3$  |
| -BK1             | 200 fuses in polybag, Lead L = $18.8 \pm 1.0$ |
| -BK2             | 200 fuses in polybag, Lead L = $21 \pm 3.0$   |
| -AP              | 1000 fuses Ammo Pack, Pitch = 12.7            |

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