

# **Subminiature Fuses**

# SS-5F Series, Fast-Acting







## **Description**

- Fast-acting subminiature fuse
- 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 radial-leaded design minmizes board space and eliminates need for additional mounting components (BK/PCS holder optional if field replacement is desirable)
- Designed to UL 248-14

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

### **Agency Information**

- cULus: File E19180, Guide JDYX/JDYX7
- PSE: JET1641-31007-1001, JET1641-31007-1002

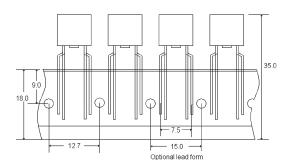
### **Specifications**

- 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-5F-1A-AP)

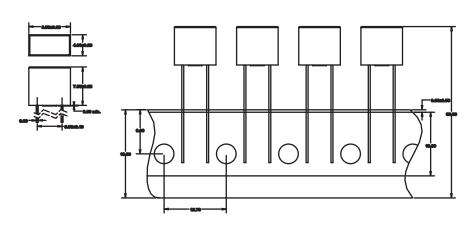
### Packaging - mm

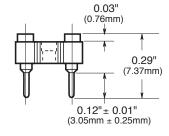


### **Mounting Socket (RoHS compliant)**

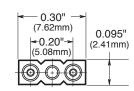
 Available as option. Specify catalog number BK/PCS (In bulk 100 per bag)

## Dimensions - mm / [inches]





### Socket (PCS)



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| Specifications    |                            |  |                                       |                         |                                   |                  |   |  |  |
|-------------------|----------------------------|--|---------------------------------------|-------------------------|-----------------------------------|------------------|---|--|--|
| Catalog<br>Number | Voltage<br>Rating<br>(Vac) | Interrupting Rating<br>(amps) @ Rated<br>Voltage (50Hz)" | Typical DC Cold<br>Resistance (mΩ)*** | Typical<br>Melting I²t† | Typical Voltage<br>Drop@1In (mV)‡ | Agency Approvals |   |  |  |
| SS-5F-800mA       | 250                        | 50   | 225                                   | 1.2437                  | 300                               | X                |   |  |  |
| SS-5F-1A          | 250                        | 50   | 165.5                                 | 2.2166                  | 279                               | Х                | Х |  |  |
| SS-5F-1.25A       | 250                        | 50   | 116.5                                 | 3.8236                  | 243.5                             | Х                | Х |  |  |
| SS-5F-1.6A        | 250                        | 50   | 76                                    | 6.4223                  | 210                               | Х                | Х |  |  |
| SS-5F-2A          | 250                        | 50   | 55.5                                  | 9.3532                  | 193.5                             | Х                | Х |  |  |
| SS-5F-2.5A        | 250                        | 50   | 46                                    | 14.0038                 | 201                               | Х                | Х |  |  |
| SS-5F-3.15A       | 250                        | 50   | 31.5                                  | 22.5299                 | 168                               | Х                | Х |  |  |
| SS-5F-4A          | 250                        | 50   | 22.25                                 | 33.6329                 | 153.5                             | Х                | Х |  |  |
| *SS-5F-5A         | 250                        | 50   | 16                                    | 53.6831                 | 154.125                           | Х                | Х |  |  |
| *SS-5F-6.3A       | 125                        | 50   | 14.5                                  | 74.2705                 | 156.5                             | Х                | Х |  |  |
| *SS-5F-7A         | 125                        | 50   | 11.4                                  | 107.0518                | 133                               | Х                | Х |  |  |
| *SS-5F-8A         | 125                        | 50   | 9.9                                   | 107.05176               | 132.5                             | Х                | Х |  |  |
| *SS-5F-10A        | 125                        | 50   | 6.5                                   | 145.9163                | 108.5                             | Х                | Х |  |  |
|                   | 1                          | I .  | 1                                     | 1                       | 1                                 | 1                | I |  |  |

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<sup>\*</sup>Conducting path min. 0.2mm²

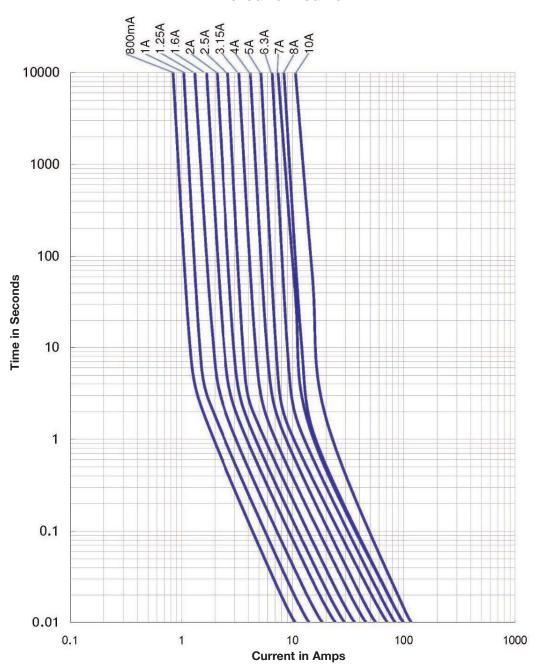
\*\*Interrupting ratings: 800mA to 10A were measured at 50A, 95%-100% of PF on AC.

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

†|²t value is measured at 10ln DC.

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

# **Time-Current Curve**



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

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