

# **Subminiature Fuses**

# SR-5F Series, Fast-Acting







## **Description**

- Fast-acting, low breaking capacity 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 Current	1 xl <sub>n</sub> min	1.5 xl <sub>n</sub> max	2 xl <sub>n</sub> max				
800mA-10A	4hr	10 min	2 min				

## **Agency Information**

- UL Listed: File E19180 JDXY1, JDYX7
- PSE: File JET5766-31007-1001, File JET5766-31007-1002

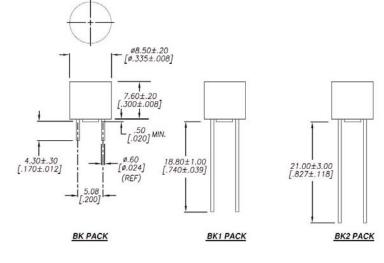
# **Specifications**

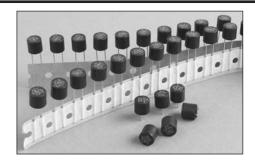
- Solderability: EIA-186-9E Method 9
- High frequency vibration: MIL-STD-202F, Method 201A
- Operating temperature: -40°C to +125°C
- Soldering heat resistance: 260°C, 10 sec. max. (IEC 60068-2-20)

## **Ordering**

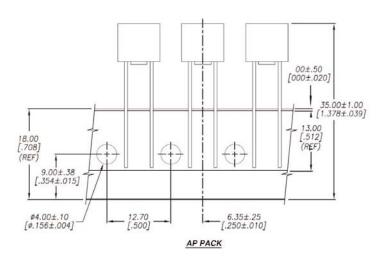
 Specify product and packaging code (i.e., SR-5F-1A-AP)

#### Dimensions - mm / [inches]





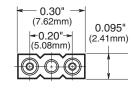
# Packaging - mm / [inches]

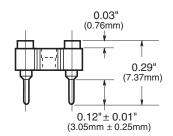


#### Mounting Socket (RoHS compliant)

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

## Socket (PCS)





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

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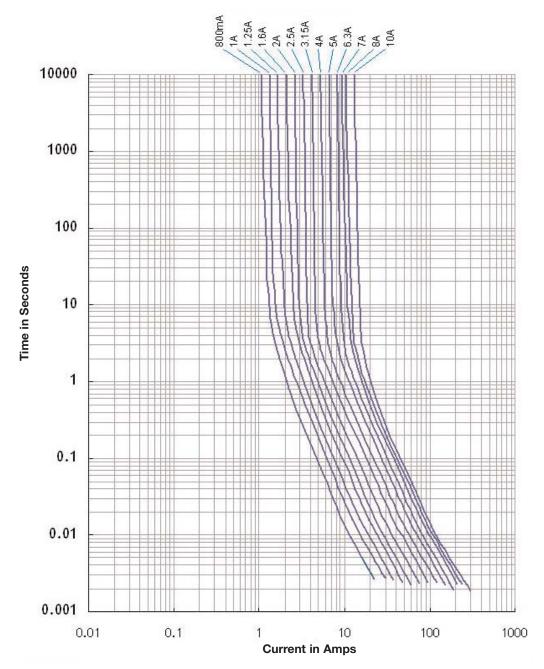
<sup>\*</sup>Conducting path min. 0.2mm² \*\*Interrupting ratings measured at 50A, 95%-100% of PF on AC. \*\*\*Typical DC Cold Resistance measured at <10% of rated current.

Typical Melting I'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.

## **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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