COOPER Bussmann

Subminiature Fuses

SR-5F Series, Fast-Acting

HALOGEN HF FREE

RoHS 2002/95/EC

Pb

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 xI_n min	1.5 xI_n max	2 xI_n 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

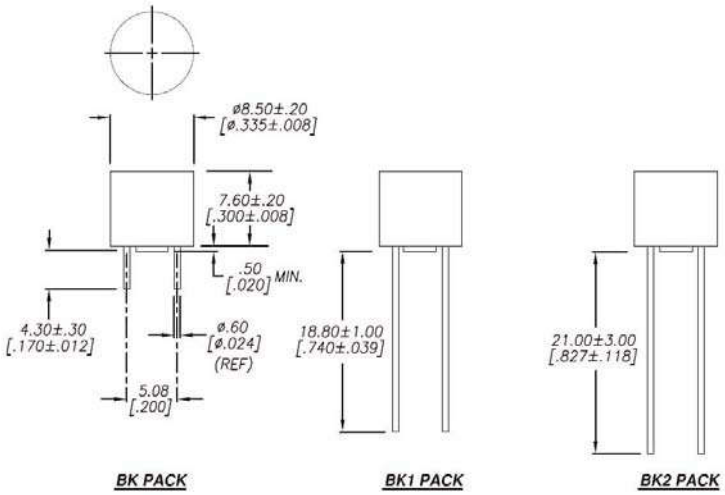
Specifications

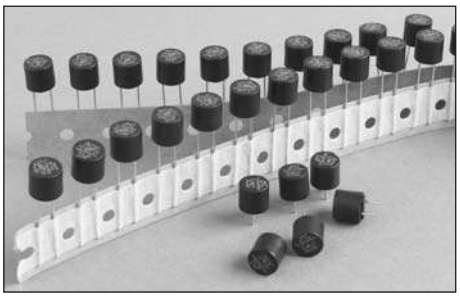
- Solderability: EIA-186-9E Method 9
- High frequency vibration: MIL-STD-202F, Method 201A
- Operating temperature: -40°C to +125°C
- Soldering heat resistance: 260°C, 10 sec. max. (IEC 60068-2-20)

Ordering

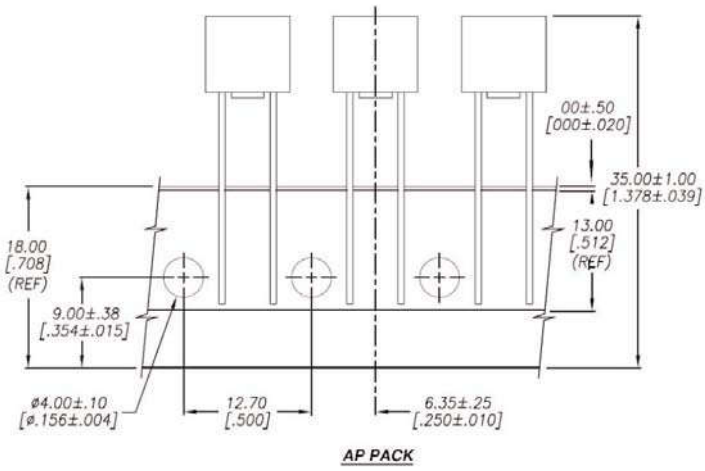
- Specify product and packaging code (i.e., SR-5F-1A-AP)

Dimensions - mm / [inches]





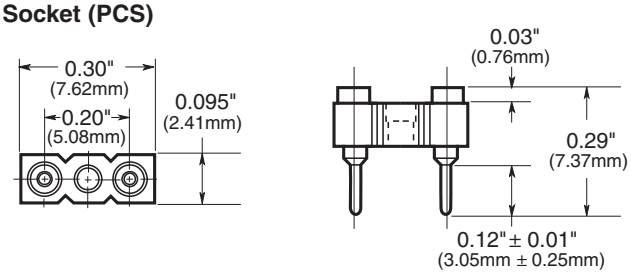
Packaging – mm / [inches]



Mounting Socket (RoHS compliant)

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

Socket (PCS)



Specifications

Catalog Number	Voltage Rating (Vac)	Interrupting Rating (amps) @ Rated Voltage (50Hz)**	Typical DC Cold Resistance (Ω)***	Typical Melting I^2t† (A^2S)†	Maximum Voltage Drop@1I_n (mV)‡	Maximum Power Dissipation @ 1In(mW)†††	Agency Approvals	
							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	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. 0.2mm^2

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

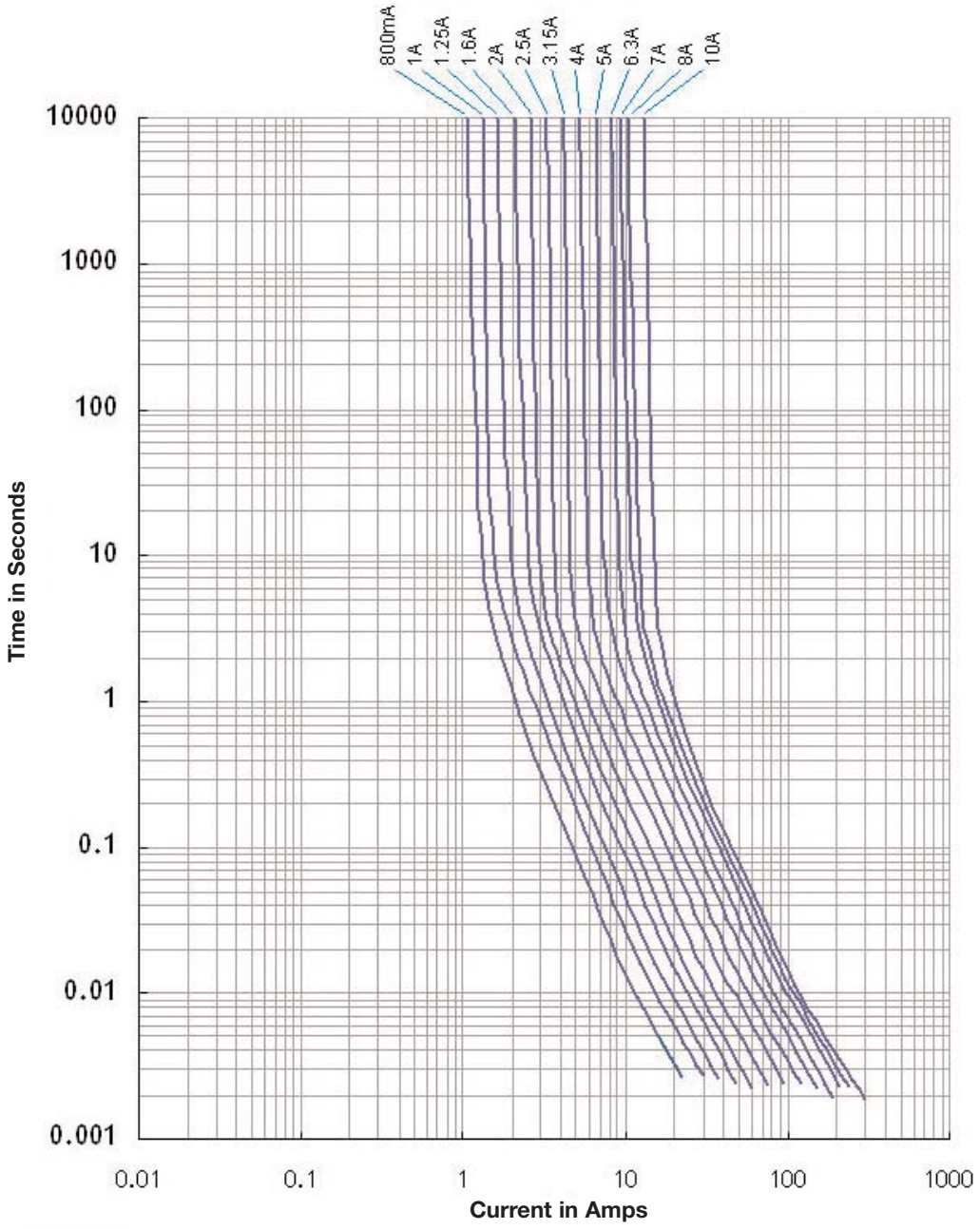
***Typical DC Cold Resistance measured at <10% of rated current.

†Typical Melting I^2t measured at 10I_n.

‡ 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 ± 0.3
-BK1	200 fuses in polybag, Lead L = 18.8 ± 1.0
-BK2	200 fuses in polybag, Lead L = 21 ± 3.0
-AP	1000 fuses Ammo Pack, Pitch = 12.7
-AP1	1000 fuses Ammo Pack, Pitch = 15

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St. Louis, MO 63178
www.cooperbussmann.com

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