COOPER Bussmann

Subminiature Fuses

SS-5 Series, Time-Delay

HALOGEN HF FREE · RoHS 2002/95/EC · Pb

Description

- Time-delay subminiature fuse with low breaking capacity
- 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 rectangular-leaded design minmizes board space and eliminates need for additional mounting components (BK/PCS holder optional if field replacement is desirable)
- Designed to IEC 60127-3 Sheet 4 (400mA - 4A) and extension 5A, 6.3A

Electrical Characteristics								
Rated Current	1.5 xI_n min	2.1 xI_n max	2.75 xI_n min	2.75 xI_n max	4 xI_n min	4 xI_n max	10 xI_n min	10 xI_n max
400mA-6.3A	1hr	2 min	400 mS	10 Sec.	150 mS	3 Sec.	20 mS	150 mS

Agency Information

- cURus: File E19180, Guide JDYX2/JDYX8
- VDE: File 40015513
- SEMKO: File 807650, 808892
- CQC: File CQC08012025533
- PSE: File JET1641-31007-1001, JET1641-31007-1002
- EK-MARK: File SU05011-8001, SU05011-8002, SU05011-8003

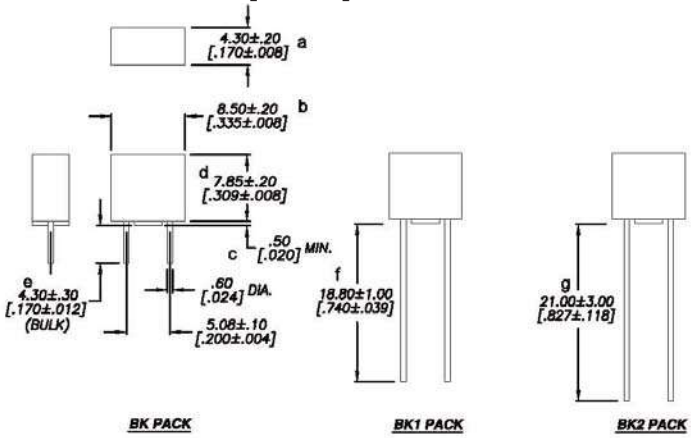
Specifications

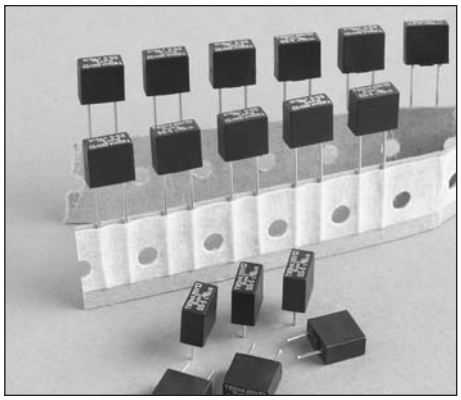
- Solderability: EIA-186-9E Method 9
- High frequency vibration: MIL-STD-202F, Method 201A
- Operating temperature: -40°C to +125°C
- Soldering heat resistance: 260°C, 10 sec. max (IEC 60068-2-20)

Ordering

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

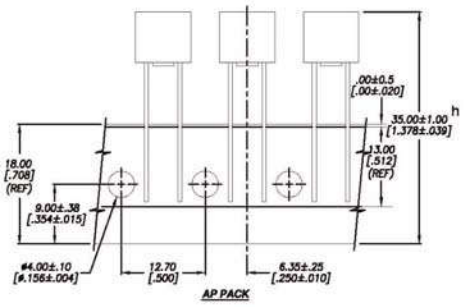
Dimensions - mm / [inches]



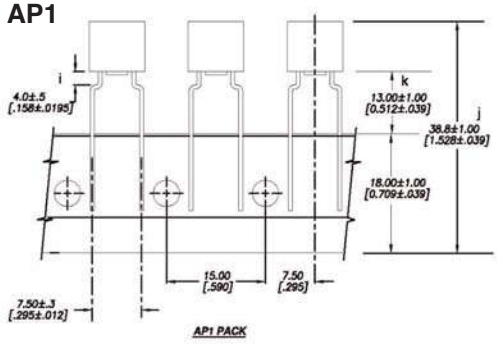


Packaging - mm / [inches]

AP



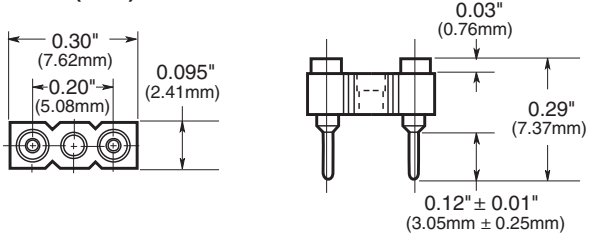
AP1



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 (mΩ)***	Typical Melting I^2t†	Typical Voltage Drop@1I_n (mV)‡	Agency Approvals					
						VDE	SEMKO	cRUus	CQC	EK-MARK	PSE
SS-5-400mA	250	35	330	1.67	147	X		X	X	X	
SS-5-500mA	250	35	257.5	1.79	151.5	X	X	X	X	X	
SS-5-630mA	250	35	140	1.51	100.5	X	X	X	X	X	
SS-5-800mA	250	35	118	4.21	110.5	X	X	X	X	X	
SS-5-1A	250	35	80.75	7.4	94.5	X	X	X	X	X	X
SS-5-1.25A	250	35	624	12.75	93.5	X	X	X	X	X	X
SS-5-1.6A	250	35	41	23	71.5	X	X	X	X	X	X
SS-5-2A	250	35	31.15	29.8	75	X	X	X	X	X	X
SS-5-2.5A	250	35	24.30	40.3	74.5	X	X	X	X	X	X
SS-5-3.15A	250	35	16.75	67	62.5	X	X	X	X	X	X
SS-5-4A	250	40	12.75	87	65.4	X	X	X	X	X	X
*SS-5-5A	250	50	7.35	120	43	X	X	X	X	X	X
*SS-5-6.3A	250	63	7.40	176	59	X	X	X	X	X	X

*Conducting path min. 0.2mm^2

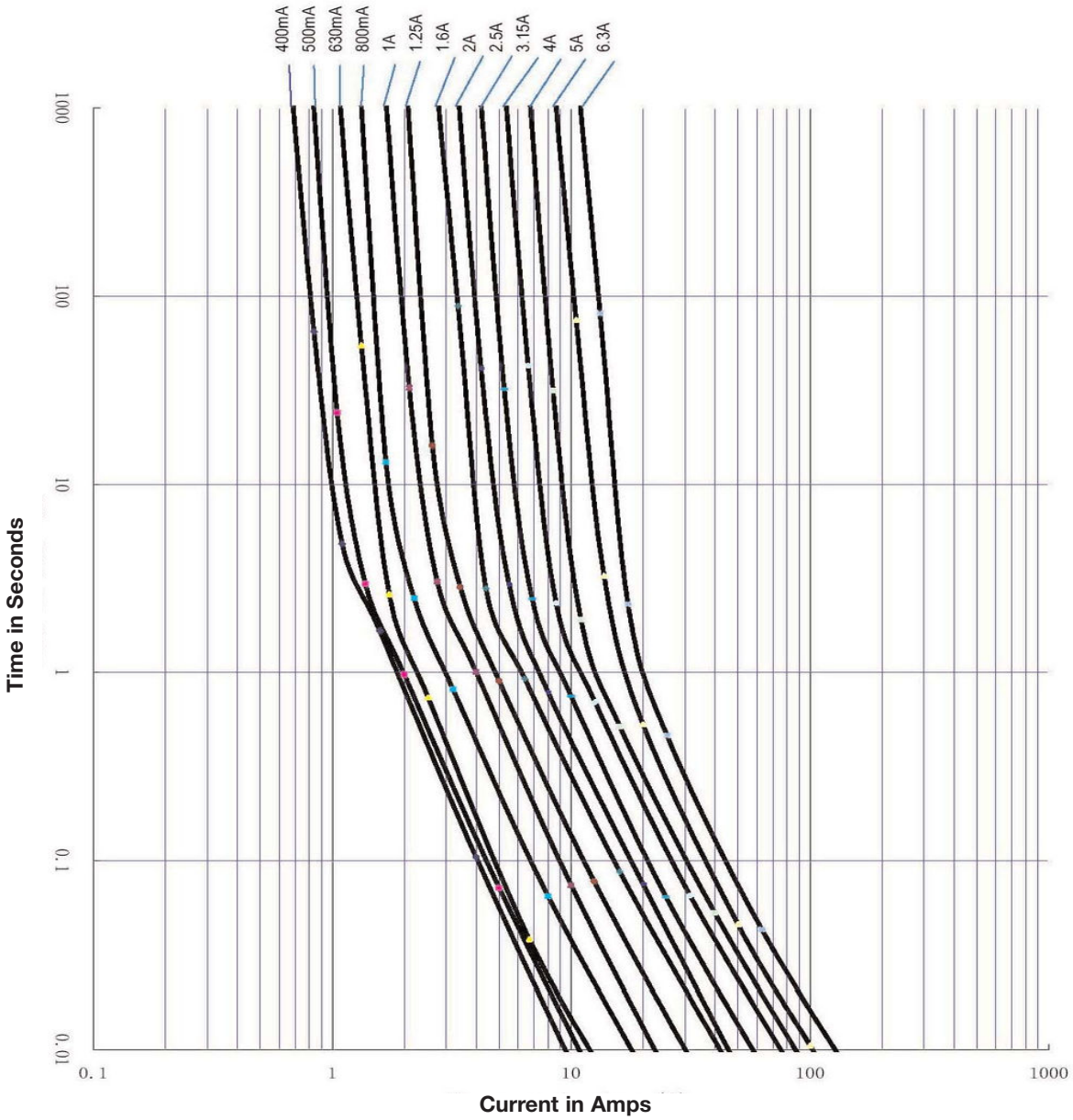
**Interrupting ratings: 400mA-3.15A were measured at 35A, 95%-100% of PF on AC; 4A, 5A & 6.3A measured at 10x Rated Current, 95%-100% of PF on AC.

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

†I^2t value is measured at 10I_n DC.

‡ Typical voltage drop 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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