COOPER Bussmann

Subminiature Radial Leaded, Time-Delay Fuses

SR-5 Series



Radial Leaded Device

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
100mA-6.3A	1 hr	2 min	400 mS	10 Sec	150 mS	3 Sec	20 mS	150 mS

Description

- Radial leaded time-delay thru-hole fuse
- Designed to IEC 60127-3, Sheet 4
- Internationally accepted for primary and secondary overcurrent protection
- Place directly into PCB or plug into BK/PCS holder
- High inrush withstand capability
- Compatible with leaded and lead-free reflow and wave solder

Agency Information

- KC: SU05011-9001 3.15A~6.3A, SU05011-9002 1~2.5A, SU05011-9003 40mA~100mA, SU05011-9004 125mA~800mA
- PSE+JET: JET1641-31007-1001 1~5A, JET1641-31007-1002 6.3A
- CCC: 2009010207370507 40mA~4A
- CQC: CQC09012037502 5A, 6.3A
- SEMKO: 1023113 40mA~6.3A
- cURus: Guide JDYX2, File E306920&E19180 and Guide JDYX8, File E306920&E19180
- VDE: File122052, 40020046

Specifications

- Solderability: EIA-186-9E Method 9
- High frequency vibration: MIL-STD-202F, Method 201A
- Operating temperature: -40°C to +85°C
- Soldering heat resistance: 260°C, 10 Sec. max (IEC 60068-2-20)

Ordering

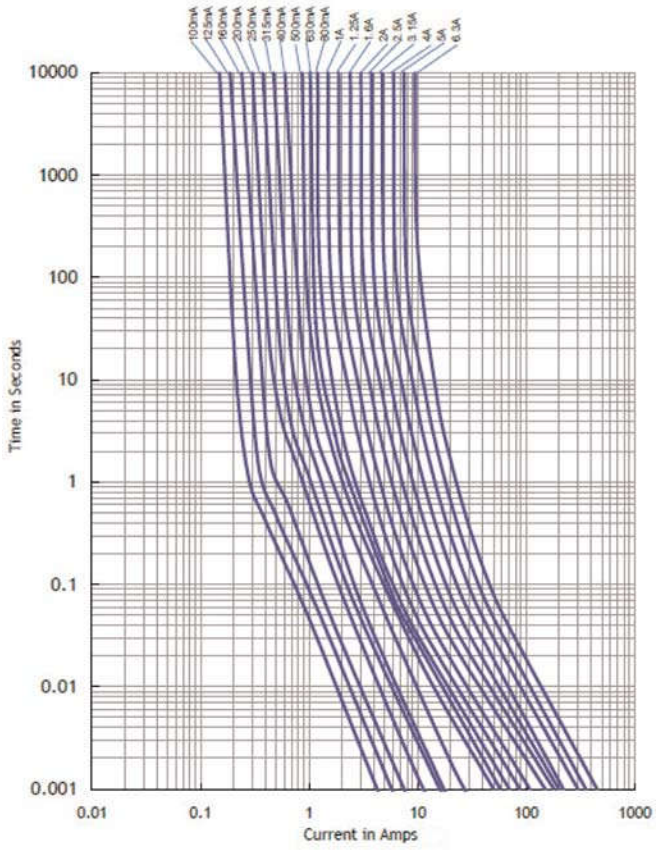
- Specify product and packaging code (i.e., SR-5-1A-AP)

Specifications												
Part Number	Voltage Rating AC	Interrupting Rating (amps) @ Rated Voltage	Typical DC Cold Resistance (Ω)	Typical Melting** I^2t (@1mS)	Voltage Drop mV @ 20°C Rated Current	Agency Information					
						VDE	SEMKO	cURus	CCC	KC-Mark	PSE
SR-5-100mA	250	35	2.37	0.015155	288.5	x	x	x	x	x	
SR-5-125mA	250	35	1.6	0.026783	238	x	x	x	x	x	
SR-5-160mA	250	35	1.02	0.039097	196.5	x	x	x	x	x	
SR-5-200mA	250	35	0.94	0.168832	215.5	x	x	x	x	x	
SR-5-250mA	250	35	0.66	0.24778	185	x	x	x	x	x	
SR-5-315mA	250	35	0.43	0.2772	152	x	x	x	x	x	
SR-5-400mA	250	35	0.285	0.771618	127	x	x	x	x	x	
SR-5-500mA	250	35	0.242	2	143.5	x	x	x	x	x	
SR-5-630mA	250	35	0.154	3.5	113	x	x	x	x	x	
SR-5-800mA	250	35	0.112	6.5	104.5	x	x	x	x	x	
SR-5-1A	250	35	0.085	7.5	100	x	x	x	x	x	x
SR-5-1.25A	250	35	0.061	13	91	x	x	x	x	x	x
SR-5-1.6A	250	35	0.043	24	102	x	x	x	x	x	x
SR-5-2A	250	35	0.031	30	74.5	x	x	x	x	x	x
SR-5-2.5A	250	35	0.024	45	72.5	x	x	x	x	x	x
SR-5-3.15A	250	35	0.018	57	70.25	x	x	x	x	x	x
SR-5-4A	250	40	0.012	80	62	x	x	x	x	x	x
*SR-5-5A	250	50	0.010	95.4	57.5	x	x	x	CQC	x	x
*SR-5-6.3A	250	63	0.008	200	60.85	x	x	x	CQC	x	x

* Conducting Path min. 0.2mm²

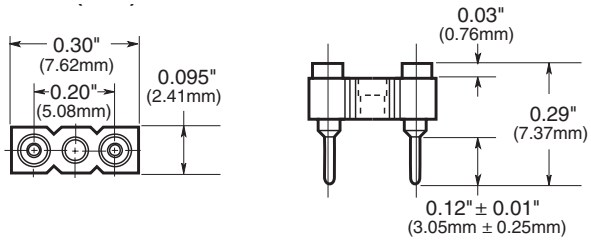
** I^2t value for 100mA to 400mA is measured at $100I_n$. I^2t value for 500mA to 6.3A is measured at $10I_n$.

Time-Current Curves

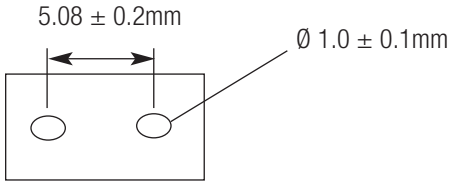


PCS Mounting Socket (RoHS compliant)

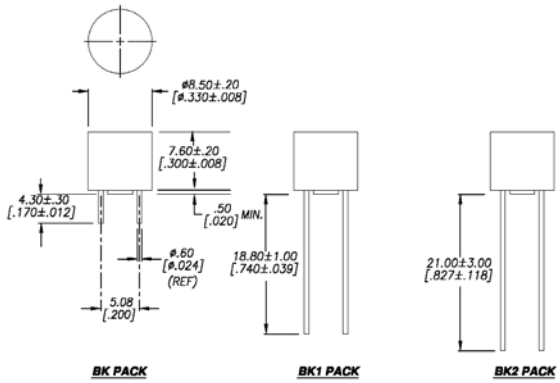
- Available as option. Specify catalog number BK/PCS (in bulk 100 per bag)

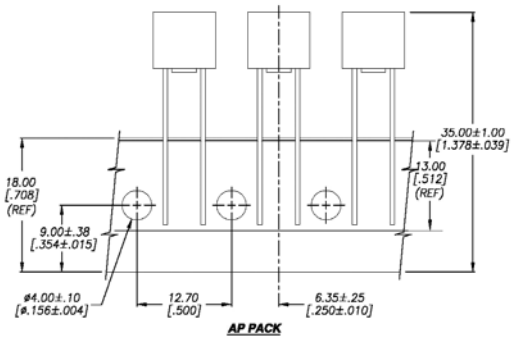


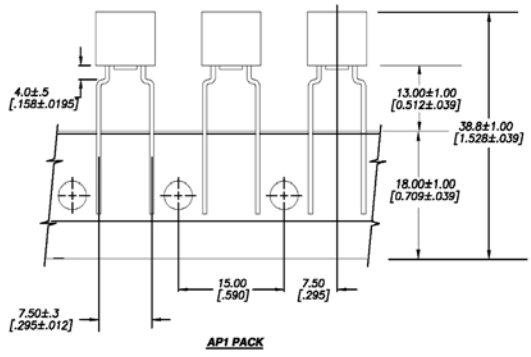
Land Pattern



Dimensions – Packaging Information – mm [in]







Packaging Code	
Packaging Code Suffix	**Description**
-AP, -AP	Ammo-pack taped 1,000 per box (see Packaging Information for lead configurations)
-BK, -BK1, -BK2	In bulk 200 per bag (see Packaging Information for lead configurations)

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