



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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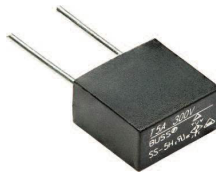
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SS-5H

300V Subminiature, radial leaded, time-delay fuses



Product description

- Radial leaded, time delay with high breaking capacity
- Designed to IEC60127-3
- Plastic cap and base, flammability UL 94V0
- Protects against harmful overcurrents in primary and secondary applications
- Small rectangular-leaded design utilizes less board space
- High frequency vibration: MIL-STD-202F, Method 201A
- Halogen free, lead free, RoHS compliant

Applications

Primary and secondary circuit protection:

- Power supplies
- Notebooks and laptops
- Appliances and white goods
- Lighting ballasts
- Power adapters
- Set top boxes
- LED/LCD televisions and displays
- Air conditioners
- Battery chargers

Agency information

- UL Recognition: File E19180, Guide JDYX2/JDYX8
- VDE: 40031800
- TUV: J50190080
- CQC: 11012056980
- PSE: JET 1641-31007-1006 (1- 5A); JET 1641-31007-1007 (6.3A)
- KC: SU05011-11001 (1~2.5A); SU05011-11002 (3.15~6.3A)

Ordering

- Specify part number and packaging suffix as shown

Part number	Packaging suffix
SS-5H-1A	-AP

Packaging suffixes

250V Version

- -AP (1000 parts Ammo pack, Pitch =12.7mm)
- -BK (200 parts in a polybag, Lead L=4.3 ±0.3mm)
- -BK2 (200 parts in a polybag, Lead L=21 ±3.0mm)

300V Version

- -APH (1000 parts Ammo pack, Pitch =12.7mm)
- -BKH (200 parts in a polybag, Lead L=4.3 ±0.3mm)
- -BK2H (200 parts in a polybag, Lead L=21 ±3.0mm)



Powering Business Worldwide

Electrical characteristics

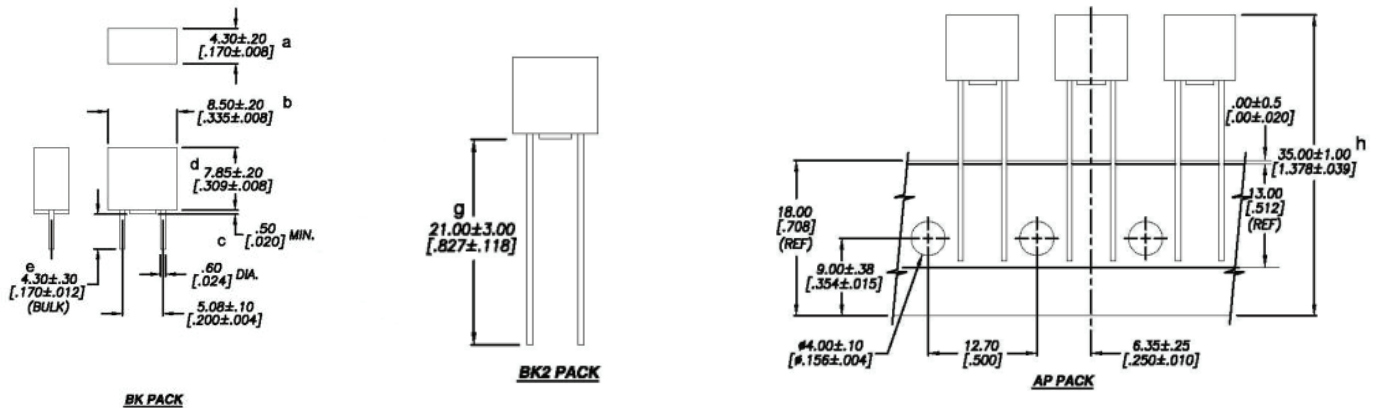
I_n	$1.5I_n$ min minute	$2.1I_n$ max minute	$2.75I_n$ min ms	$2.75I_n$ max s	$4I_n$ min ms	$4I_n$ max s	$10I_n$ min ms	$10I_n$ max ms
1A - 6.3A	60	2	400	10	150	3	20	150

Product specifications

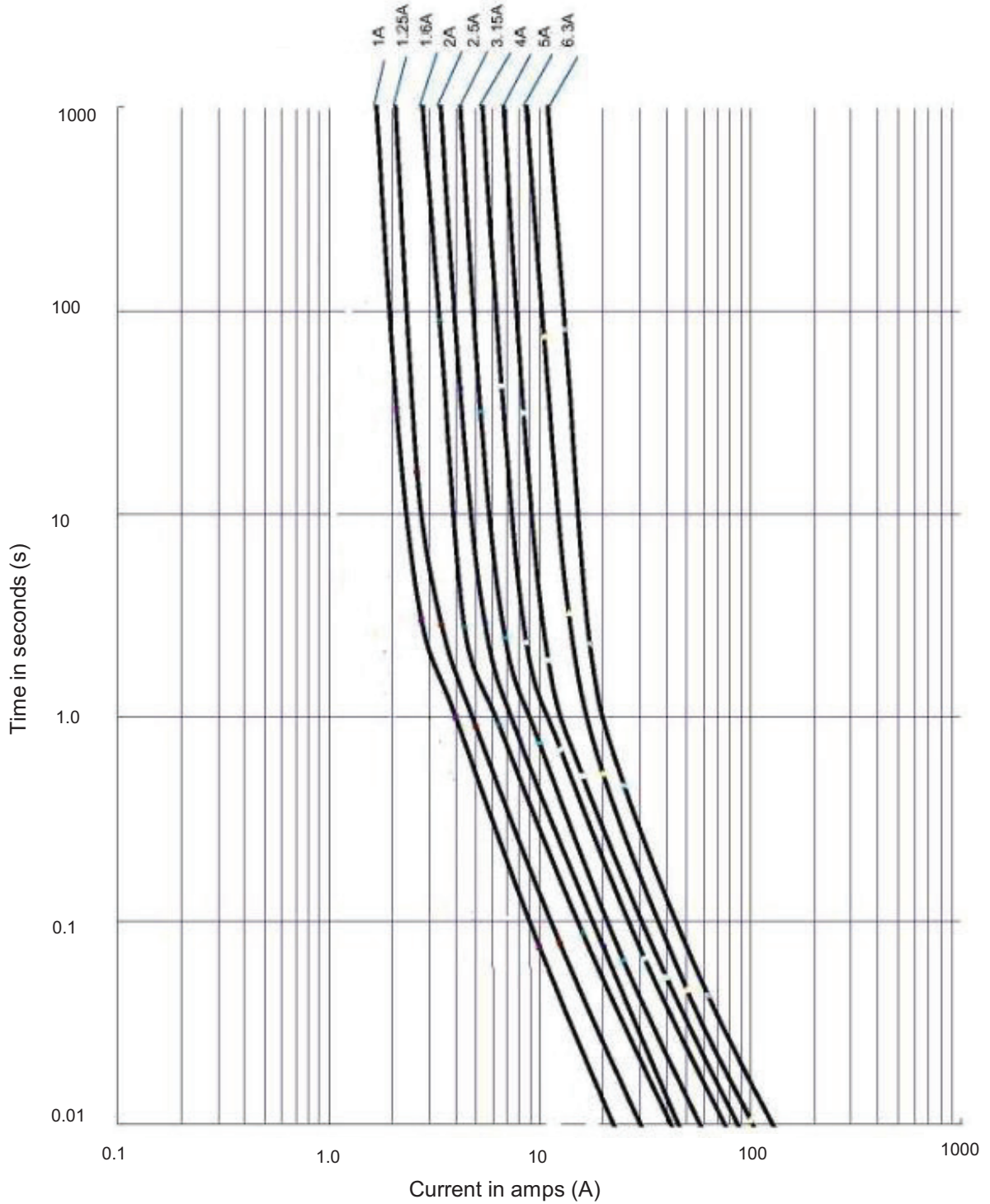
Part number	Voltage rating ¹ AC	Interrupting rating at rated voltage (50Hz) AC (amps)	Typical DC cold resistance ² (mΩ)	Typical melting ³ I ² t (A2s)	Typical voltage drop ⁴ (mV)	VDE ¹	TUV ¹	CURUs ¹	CQC ¹	KC ¹	PSE+JET ¹
SS-5H-1A	300	100	78	7.4	94.5	X	X	X	X	X	X
SS-5H-1.25A	300	100	57	12.8	87	X	X	X	X	X	X
SS-5H-1.6A	300	100	43	23	79	X	X	X	X	X	X
SS-5H-2A	300	100	31.2	29.8	75	X	X	X	X	X	X
SS-5H-2.5A	300	100	23.0	40.3	73.5	X	X	X	X	X	X
SS-5H-3.15A	300	100	17.5	67	62.5	X	X	X	X	X	X
SS-5H-4A	300	100	12	87	60.5	X	X	X	X	X	X
SS-5H-5A	300	100	7.35	120	43	X	X	X	X	X	X
SS-5H-6.3A	300	100	7.4	176	59	X	X	X	X	X	X

- CQC and KC-Mark voltage rating only 250Vac. VDE, TUV, cURus and PSE voltage ratings given at both 250Vac and 300Vac
- Typical cold resistance (measured at <10% of rated current)
- I²t value is measured at 10I_n DC
- Typical voltage drop (voltage drop was measured at 20°C ambient temperature at rated current)

Dimensions and packaging (mm)

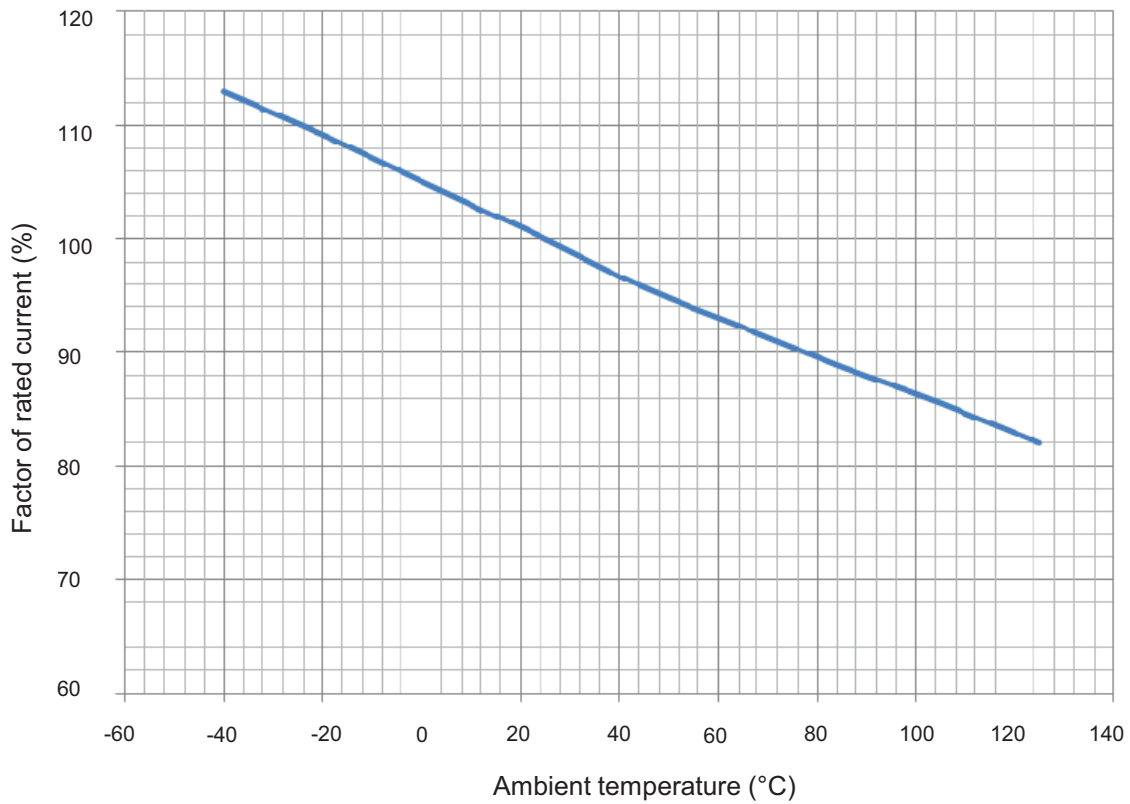


Time vs. current curve



Temperature derating curve

Normal Operating Temperature: 25°C±2°C



Environmental data

Operating temperature -40°C to 125°C w ith proper correction factor applied

Storage temperature -10°C to 40°C

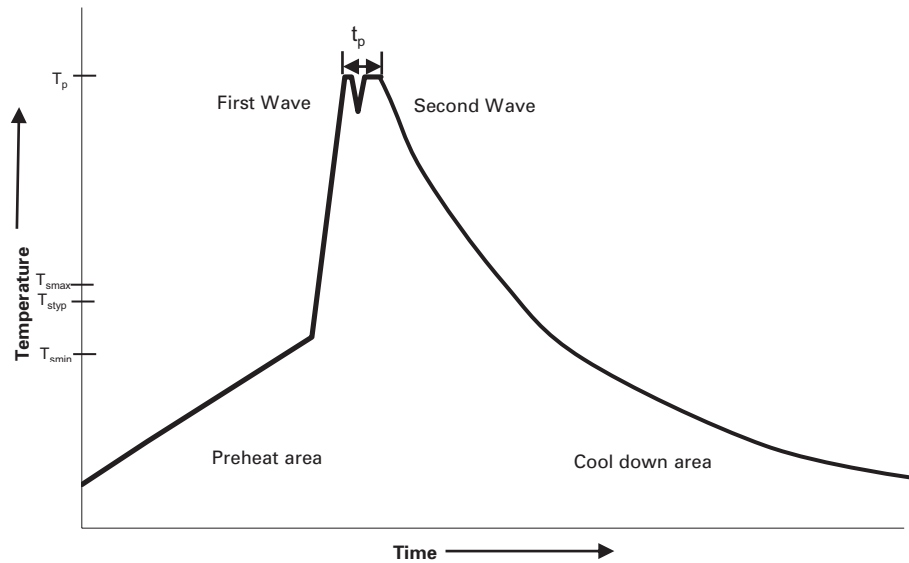
Solderability-EIA-186-9E Method 9

High Frequency Vibration Test-Withstands 10-55Hz per MIL-STD-202F, Method 201A

Endurance Test-IEC60127-3/4

Wave solder profile

Reflow soldering not recommended



Reference EN 61760-1:2006

Profile Feature	Standard SnPb Solder	Lead (Pb) Free Solder
Preheat	• Temperature min. (T_{smin})	100°C
	• Temperature typ. (T_{styp})	120°C
	• Temperature max. (T_{smax})	130°C
	• Time (T_{smin} to T_{smax}) (t_s)	70 seconds
Δ preheat to max Temperature	150°C max.	150°C max.
Peak temperature (T_p)*	235°C – 260°C	250°C – 260°C
Time at peak temperature (t_p)	10 seconds max 5 seconds max each wave	10 seconds max 5 seconds max each wave
Ramp-down rate	~ 2 K/s min ~3.5 K/s typ ~5 K/s max	~ 2 K/s min ~3.5 K/s typ ~5 K/s max
Time 25°C to 25°C	4 minutes	4 minutes

Manual solder

350°C, 4-5 seconds (by soldering iron), generally manual hand soldering is not recommended.

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