



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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S500

5 mm x 20 mm Fast-acting glass tube fuses



Product features

- Fast-acting, low breaking capacity
- Optional axial leads available
- 5 mm x 20 mm physical size
- Glass tube with silver-plated (32-125 mA) and nickel-plated (160 mA-10 A) endcaps
- Designed to IEC 60127-2 (160 mA-10 A)

Agency information

- cURus: File E19180, Guide JDYX2, JDYX8
- CSA Component Acceptance: File 1803366
- SEMKO Approval: File 414552
- VDE Approval: File 40014109
- BSI Approval: File KM55676
- IMQ Approval: File CA03.00097
- CCC Approval: File 2005010207155694

Ordering information

- Specify product code
- Insert packaging code prefix before part number. E.g. BK/S500-32-R
- Ratings above 6.3A have a 0.8mm diameter lead
- With TR2 packaging code, lead wire length is 19.05 mm
- Specify option code if desired
- For axial leads, insert "V" between catalog series and amp rating. E.g. S500-V-100-R

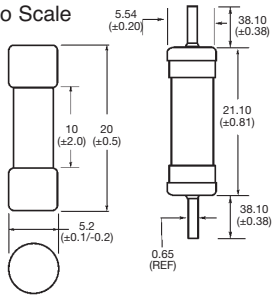
Electrical Characteristics							
I _n	1.5 I _n min	2.1 I _n max	2.75 I _n		4 I _n		10 I _n max
			min	max	min	max	
32mA-125mA	60 min	30 min	-	-	-	-	-
160mA-6.3A	60 min	30 min	50 ms	2 sec	10 ms	300 ms	20 ms
8A-10A	30 min	30 min	50 ms	2 sec	10 ms	400 ms	40 ms

Part Number	Voltage Rating Vac	Interrupting Rating (amps) at Rated Voltage (50Hz) Vac	Typical DC Cold Resistance (Ω)*	Typical Melting I ² t AC†	Maximum Voltage Drop (mV)‡	Agency Approvals						
						cURus	CSA	CCC	BSI	VDE	SEMKO	IMQ
						S500-32-R	250	35	40	0.000047	3200	
S500-40-R	250	35	25	0.00011	2500							
S500-50-R	250	35	17	0.00020	2400							
S500-63-R	250	35	125	0.00057	2000							
S500-80-R	250	35	5.0	0.0012	1200							
S500-100-R	250	35	3.8	0.003	1100							
S500-125-R	250	35	2.8	0.005	1000							
S500-160-R	250	35	9.1	0.008	2000	X	X	X	X	X	X	X
S500-200-R	250	35	6.8	0.016	1700	X	X	X	X	X	X	X
S500-250-R	250	35	4.3	0.28	1400	X	X	X	X	X	X	X
S500-315-R	250	35	3.1	0.58	1300	X	X	X	X	X	X	X
S500-400-R	250	35	2.0	0.18	1100	X	X	X	X	X	X	X
S500-500-R	250	35	0.26	0.18	220	X	X	X	X	X	X	X
S500-630-R	250	35	0.20	0.35	220	X	X	X	X	X	X	X
S500-800-R	250	35	0.14	0.67	190	X	X	X	X	X	X	X
S500-1-R	250	35	0.125	0.60	200	X	X	X	X	X	X	X
S500-1.25-R	250	35	0.096	0.84	200	X	X	X	X	X	X	X
S500-1.6-R	250	35	0.066	1.6	190	X	X	X	X	X	X	X
S500-2-R	250	35	0.043	4.2	150	X	X	X	X	X	X	X
S500-2.5-R	250	35	0.034	6.1	150	X	X	X	X	X	X	X
S500-3.15-R	250	35	0.025	13	130	X	X	X	X	X	X	X
S500-4-R	250	40	0.021	22	130	X	X	X	X	X	X	X
S500-5-R	250	50	0.014	42	120	X	X	X	X	X	X	X
S500-6.3-R	250	63	0.010	69	120	X	X	X	X	X	X	X
S500-8-R	250	80	0.010	N/A	120	X	X		X	X	X	
S500-10-R	250	100	0.008	N/A	120	X	X		X	X	X	

* DC Cold Resistance (Measured at <10% of rated current)
 † Typical Melting I²t (I²t was measured at listed interrupting rating and rated voltage)
 ‡ Maximum Voltage Drop (Voltage drop was measured at 20°C ambient temperature at rated current)

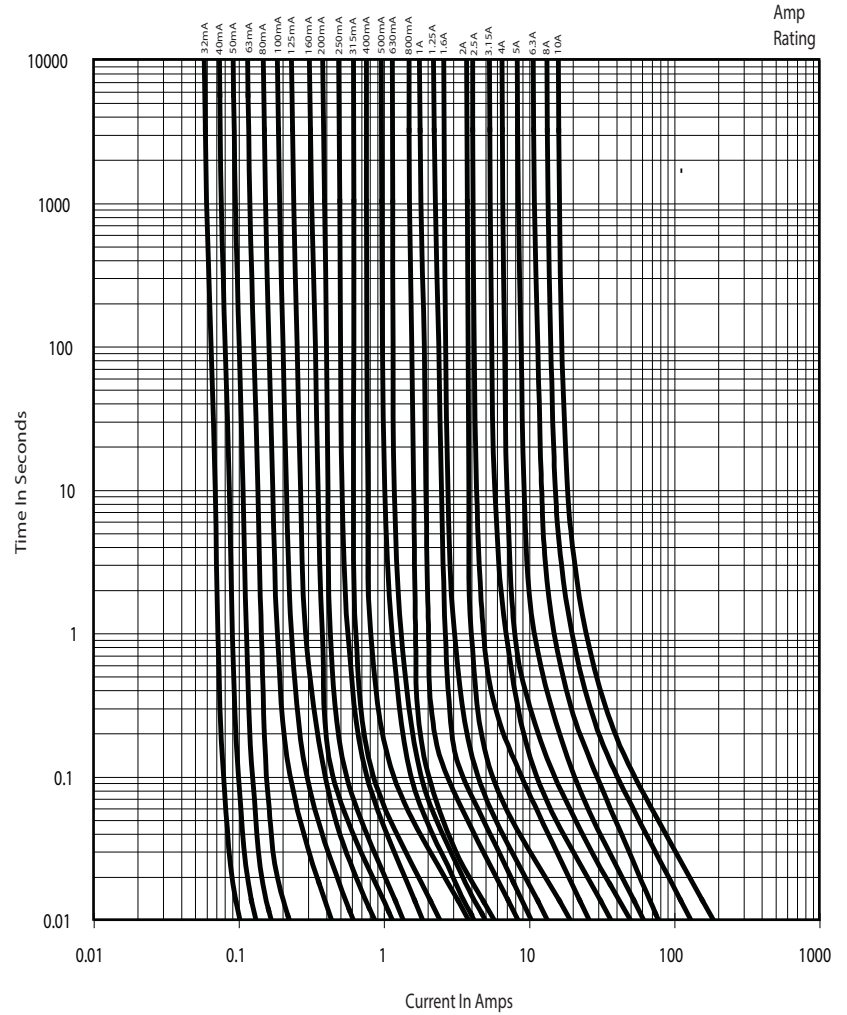
Dimensions - mm

Drawing Not to Scale



Time-current Curve

Nominal Time/Current Characteristics



Packaging Code	
Packaging Prefix	Description
BK	100 fuses packed into a cardboard carton
BK1	1,000 fuses packed into a poly bag
TR2	1,500 fuses packed into tape on a reel (19.05mm lead wire length)

Option Code	
Option Code	Description
V	Axial leads - copper tinned wire with nickel plated brass endcaps

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