



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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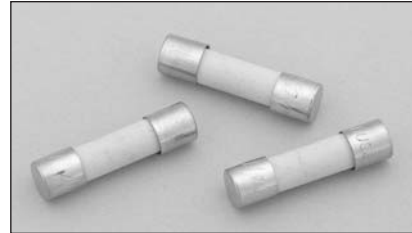


# 5 x 20mm Fuses

## S501 Series, Fast-Acting, Ceramic Tube

### Description

- Fast-acting high breaking capacity
- Optional axial leads available
- 5 x 20mm physical size
- Ceramic tube with silver-plated (50mA-400mA) and nickel-plated (500mA-10A) endcaps.
- Designed to IEC 60127-2



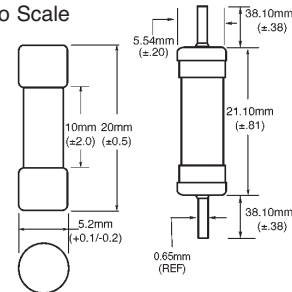
Electrical Characteristics							
I <sub>n</sub>	1.5 I <sub>n</sub>		2.1 I <sub>n</sub>		4 I <sub>n</sub>		10 I <sub>n</sub>
	min	max	min	max	min	max	max
50mA-4A	60 min	30 min	10 ms	2 sec	3 ms	300 ms	20 ms
5A-6.3A	60 min	30 min	10 ms	3 sec	3 ms	300 ms	20 ms
8A-10A	30 min	30 min	40 ms	20 sec	10 ms	1 s	30 ms

### Agency Information

- cURus: File E19180, Guide JDYX2, JDYX8
- CSA Component Acceptance: File 53787
- SEMKO Approval: File 413779
- VDE Approval: File 40015517
- IMQ Approval: File EB405
- CCC Approval: File 2005010207155691
- BSI Approval: File KM55676

### Dimensions - mm

Drawing Not to Scale



### Ordering

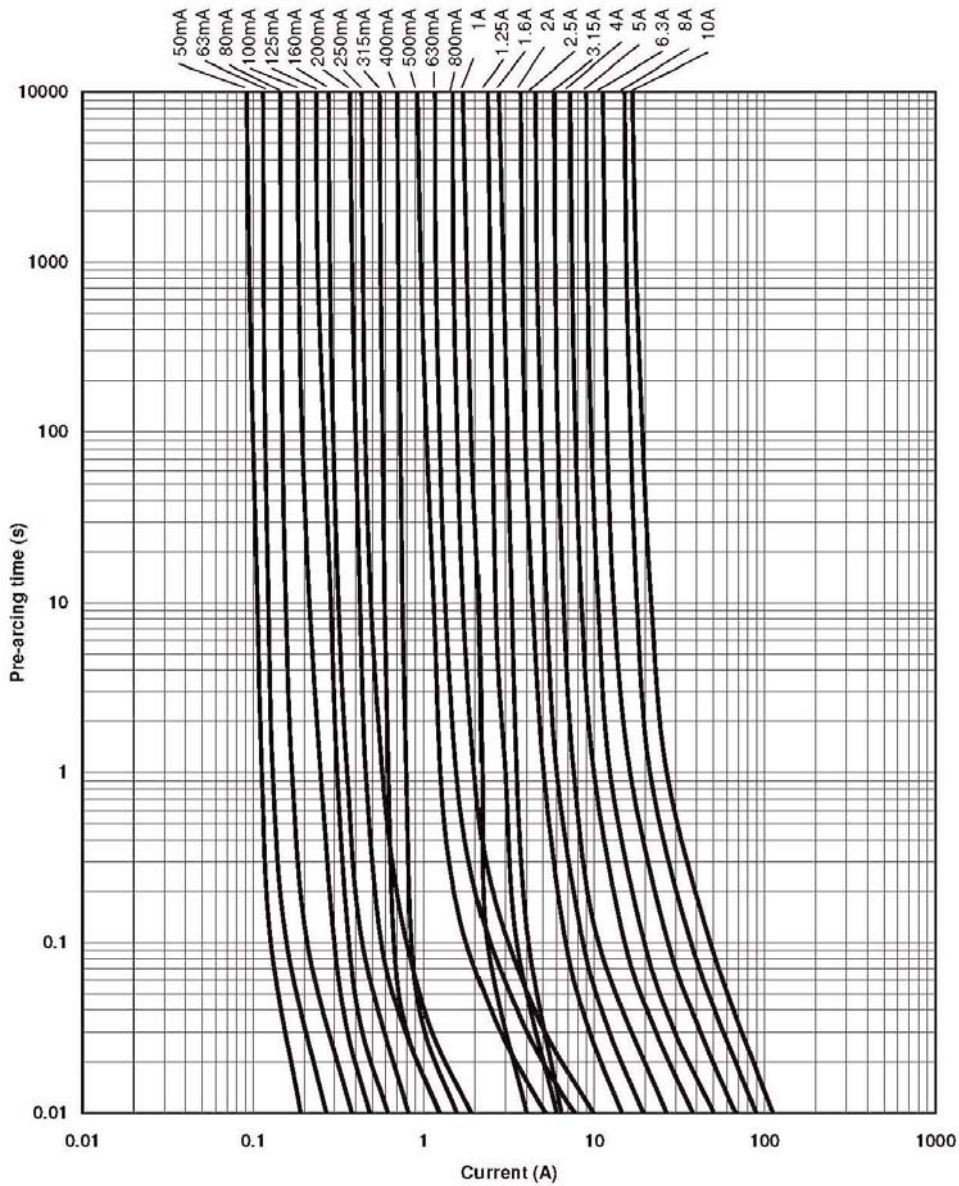
- Specify packaging, product, and option code
- Ratings above 6.3A have a 0.8mm diameter lead
- With TR2 packaging code, lead wire length is 19.05mm

### Specifications

Product Code	Voltage Rating Vac	Interrupting Rating at Rated Voltage (50Hz) Vac	Typical DC Cold Resistance (Ω)*	Typical Melting I <sup>†</sup> t (amps)	Typical Voltage Drop (mV)†	Agency Approvals							
						IMQ	VDE	BSI	SEMKO	cURus	CCC	MITI/JET	CSA
S501-50-R	250	1500	157.5	0.0017	9000	X	X	X	X	X	X		X
S501-63-R	250	1500	39.0	0.0005	3300					X	X		X
S501-80-R	250	1500	27.9	0.0011	2600					X	X		X
S501-100-R	250	1500	20.0	0.0018	2300					X			X
S501-125-R	250	1500	12.3	0.0037	1900					X			X
S501-160-R	250	1500	8.5	0.008	1600	X	X	X	X	X	X		X
S501-200-R	250	1500	6.0	0.02	1350	X	X	X	X	X	X		X
S501-250-R	250	1500	4.4	0.027	1300	X	X	X	X	X	X		X
S501-315-R	250	1500	3.3	0.01	1400	X	X	X	X	X	X		X
S501-400-R	250	1500	2.2	0.018	1200					X			X
S501-500-R	250	1500	0.460	0.038	1050	X	X	X	X	X	X		X
S501-630-R	250	1500	0.340	0.064	1200					X			X
S501-800-R	250	1500	0.245	0.097	490	X	X	X	X	X	X		X
S501-1-R	250	1500	0.231	0.146**	330		X		X	X	X	X	
S501-1.25-R	250	1500	0.176	0.313**	297				X	X	X	X	
S501-1.6-R	250	1500	0.113	0.748**	239		X		X	X	X	X	
S501-2-R	250	1500	0.073	2.0	205	X	X	X	X	X	X	X	X‡
S501-2.5-R	250	1500	0.053	3.9	190	X	X	X	X	X	X	X	X‡
S501-3.15-R	250	1500	0.037	8.1	160	X	X	X	X	X	X	X	X‡
S501-4-R	250	1500	0.027	14	160	X	X	X	X	X	X	X	X‡
S501-5-R	250	1500	0.019	25	155	X	X	X	X	X	X	X	X‡
S501-6.3-R	250	1500	0.014	48	150	X	X	X	X	X	X		X
S501-8-R	250	1500	0.009	N/A	N/A	X	X	X	X	X			X
S501-10-R	250	1500	0.008	N/A	N/A	X	X	X	X	X			X

\* DC Cold Resistance (measured at <10% of rated current)  
 \*\* I<sup>†</sup>t of 1A, 1.25A & 1.6A is measured at 10I<sub>n</sub> DC  
 † Typical Voltage Drop (voltage drop was measured at 20°C ambient temperature at rated current)  
 ‡ CSA approvals on these ratings will not be marked on the fuse cap

## Time -Current Curve



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

<b>Option Code</b>	
<b>Option Code</b>	<b>Description</b>
<b>V</b>	Axial leads - copper tinned wire with nickel-plated brass endcaps

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