

# S501

# 5 mm x 20 mm Fast-acting ceramic tube fuses





#### **Product features**

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

### **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

## **Ordering information**

Specify packaging, product and option code

Ratings above 6.3 A have a 0.8 mm diameter lead

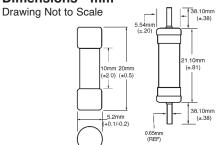
With TR2 packaging code, lead wire length is 19.05 mm

Electrical Characteristics							
_	1.5 l <sub>n</sub>	2.1 l <sub>n</sub>	2.7	5 I <sub>n</sub>	4	10 l <sub>n</sub>	
l <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	1s	30 ms

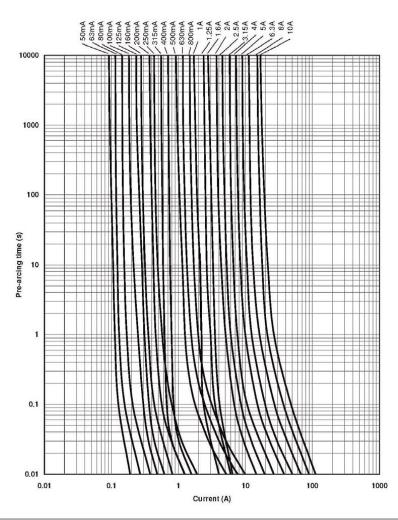
	Specifications												
	Voltage	Interrupting Rating at	Typical DC	Typical	Typical	Agency Approvals							
Product	Rating	Rated Voltage (50Hz)	Cold Resistance	Melting I 2t	Voltage	IMQ	VDE	BSI	SEMKO	cURus	CCC	MITI/	CSA
Code	Vac	Vac	(Ω)*	(amps)	Drop (mV)†							JET	
S501-50-R	250	1500	157.5	0.0017	9000	Х	Χ	Х	Χ	X	X		Χ
S501-63-R	250	1500	39.0	0.0005	3300					X	X		Χ
S501-80-R	250	1500	27.9	0.0011	2600					X			Χ
S501-100-R	250	1500	20.0	0.0018	2300					X			Χ
S501-125-R	250	1500	12.3	0.0037	1900					X			Χ
S501-160-R	250	1500	8.5	0.008	1600	Х	Χ	Χ	Χ	X	X		Χ
S501-200-R	250	1500	6.0	0.02	1350	Х	Χ	Х	Χ	X	X		Χ
S501-250-R	250	1500	4.4	0.027	1300	Х	Х	Х	Χ	Х	Х		Χ
S501-315-R	250	1500	3.3	0.01	1400	Х	Х	Х	Χ	Х	Х		Х
S501-400-R	250	1500	2.2	0.018	1200					X			Χ
S501-500-R	250	1500	0.460	0.038	1050	Х	Х	Х	Χ	Х	Х		Χ
S501-630-R	250	1500	0.340	0.064	1200					X			Χ
S501-800-R	250	1500	0.245	0.097	490	Х	Χ	Х	Χ	X	Х		Χ
S501-1-R	250	1500	0.231	0.146**	330		Х		Χ	Х	Х	Х	
S501-1.25-R	250	1500	0.176	0.313**	297				Χ	Х	Х	Х	
S501-1.6-R	250	1500	0.113	0.748**	239		Х		Χ	Х	Х	Х	
S501-2-R	250	1500	0.073	2.0	205	Х	Х	Х	Χ	Х	Х	Х	X‡
S501-2.5-R	250	1500	0.053	3.9	190	Х	Х	Х	Χ	Х	Х	Х	X‡
S501-3.15-R	250	1500	0.037	8.1	160	Х	Х	Х	Χ	Х	Х	Х	X‡
S501-4-R	250	1500	0.027	14	160	Х	Х	Х	Χ	Х	Х	Х	X‡
S501-5-R	250	1500	0.019	25	155	Х	Х	Х	Χ	Х	Х	Х	X‡
S501-6.3-R	250	1500	0.014	48	150	Х	Х	Х	Χ	Х	Х		Х
S501-8-R	250	1500	0.009	104	102	Х	Х	Х	Χ	Х			Х
S501-10-R	250	1500	0.008	155	111	Х	Х	Х	Χ	Х			Х



# **Dimensions - mm**



#### **Time -Current Curve**



Packaging Code				
Packaging Code	Description			
BK	100 fuses packed into a cardboard carton			
BK1	1000 fuses packed into a poly bag			
TR2	1500 fuses packed into tape on a reel (19.05 mm lead wire length)			

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

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