

5 x 20mm Fuses

S506 Series, Time-Delay, Glass Tube

Description

- Time-delay, low breaking capacity
- Optional axial leads available
- 5 x 20mm physical size
- Glass tube, nickel-plated brass endcap construction
- Designed to IEC 60127-2/3 (32mA-10A) & extensions:12.5A-15A



S506 Electrical Characteristics							
I_n	2.1 I_n max	2.75 I_n		4 I_n		10 I_n	
		min	max	min	max	min	max
32mA-100mA	2 min	200 ms	10 sec	40 ms	3 sec	10 ms	300 ms
125mA-6.3A	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms
8A-15A	2 min	600 ms	10 sec	150 ms	3 sec	20 ms	300 ms

Agency Information

- UL Recognized Card: Guide JDYX2, File E19180
- CSA Component Acceptance: File 1803366
- cURus Recognition: Guide JDYX8, File E19180
- SEMKO Approval: File 507078, 415434, 806492
- VDE Approval: File 40011926
- BSI Approval: File KM55676
- IMQ Approval: File E1921, CA03.00530
- PSE/JET: File JET1641-31003-1005, JET1641-31003-1006
- CCC Approval: File 2005010207155693, 2002010207011294

Dimensions - mm

Drawing Not to Scale



- Ratings above 4A have a 0.81mm diameter lead

Ordering

Specify product code

- Insert packaging code prefix before part number. E.g. BK/S506-1-R

Specify option code if desired

- For axial leads, insert "V" between catalog series and amp rating. E.g. BK/S506-V-2-R

Product Code	Voltage Rating Vac	Interrupting Rating (amps) at Rated Voltage (50Hz) Vac	Typical DC Cold Resistance (Ω)*	Typical Melting I ^t (amps)	Typical Voltage Drop (mV)‡	Agency Approvals								
						IMQ	VDE	BSI	SEMKO	UR	CCC	PSE/JET	CSA	cURus
S506-32-R	250	35	21.0	0.0051	1050	X	X	X	X	X	X			
S506-40-R	250	35	13.90	0.0072	920	X	X	X	X	X	X			
S506-50-R	250	35	9.24	0.0095	800	X	X	X	X	X	X		X	
S506-63-R	250	35	6.96	0.021	760	X	X	X	X	X	X		X	
S506-80-R	250	35	4.42	0.038	580	X	X	X	X	X	X		X	
S506-100-R	250	35	2.80	0.045	490	X	X	X	X	X	X		X	
S506-125-R	250	35	1.97	0.063	390	X	X	X	X	X	X		X	
S506-160-R	250	35	1.27	0.093	320	X	X	X	X	X	X		X	
S506-200-R	250	35	1.00	0.114	340	X	X	X	X	X	X		X	
S506-250-R	250	35	0.640	0.265	270	X	X	X	X	X	X		X	
S506-315-R	250	35	0.450	0.621	250	X	X	X	X	X	X		X	
S506-400-R	250	35	0.31	0.872	210	X	X	X	X	X	X		X	
S506-500-R	250	35	0.183	0.827	140	X	X	X	X	X	X		X	X
S506-630-R	250	35	0.186	1.33	150	X	X	X	X	X	X		X	X
S506-800-R	250	35	0.129	2.78	75	X	X	X	X	X	X		X	X
S506-1-R	250	35	0.0757	6.45	87.5	X	X	X	X	X	X	X	X	X
S506-1.25-R	250	35	0.060	10.05	86	X	X	X	X	X	X	X	X	X
S506-1.6-R	250	35	0.0425	21.7	82	X	X	X	X	X	X	X	X	X
S506-2-R	250	35	0.03325	31.6	77	X	X	X	X	X	X	X	X	X
S506-2.5-R	250	35	0.0255	59.4	72.5	X	X	X	X	X	X	X	X	X
S506-3.15-R	250	35	0.0185	96.4	68.5	X	X	X	X	X	X	X	X	X
S506-4-R	250	40	0.0139	71.8	67	X	X	X	X	X	X	X	X	X
S506-5-R	250	50	0.00985	142.5	60.5	X	X	X	X	X	X	X	X	X
S506-6.3-R	250	63	0.0071	237.6	54	X	X	X	X	X	X	X	X	X
S506-8-R	250	80	0.007	255.8	55	X	X	X	X	X	X	X	X	X
S506-10-R	250	100	0.005	450	54	X	X	X	X	X	X	X	X	X
S506-12.5-R	250	125	0.004	1019.5	45					X	X	X	X	X
S506-15-R	250	125	0.004	1091.7	65.5					X	X	X	X	X

* DC Cold Resistance (measured at <10% of rated current)

‡ Typical Voltage Drop (voltage drop was measured at 20°C ambient temperature at rated current)

Nominal Time-Current Characteristics of S506-R



Packaging Code

Packaging Code Suffix	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

The only controlled copy of this Data Sheet is the electronic read-only version located on the Cooper Bussmann Network Drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Cooper Bussmann reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper Bussmann also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Life Support Policy: Cooper Bussmann does not authorize the use of any of its products for use in life support devices or systems without the express written approval of an officer of the Company. Life support systems are devices which support or sustain life, and whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.