

5 x 20mm Fuses

S505 Series, Time-Delay, Ceramic Tube

Description

- Time-delay, high breaking capacity
- Optional axial leads available
- Ceramic tube, silver-plated endcap construction (500mA-800mA), nickel-plated brass endcap construction (1-12A)
- Optional sleeve is flexible flouropolymer (UL flammability rating VW-1)
- 5 x 20mm physical size
- Designed to IEC 60127-2 (500mA-10A) & extension 12A

Electrical Characteristics									
	1.5 ln	2.1 In	2.7	5 In	41	n	10 In		
In	min	max	min	max	min	max	min	max	
<1A	60 min	30 min	250 ms	80s	50 ms	5s	5 ms	150 ms	
1A-3.15A	60 min	30 min	750ms	80s	95 ms	5s	10 ms	150 ms	
4A-6.3A	60 min	30 min	750ms	80s	150 ms	5s	10 ms	150 ms	
8A-12A	30 min	30 min	750ms	80s	150 ms	5s	10 ms	150 ms	

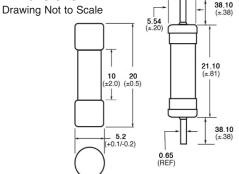
Agency Information

- UL Recognized Card: Guide JDYX2, File E19180
- CSA Component Acceptance: File 53787
- SEMKO: File 500496, 816547
- VDE: File 40014091, 40024352, 40023140
- BSI: File KM55676
- IMQ: File 00100, 00529
- PES+JET: File 1641-31003-1004,1641-31003-1011
- CCC: File 2002010207011295
- EK: File SU05011-4012A, SU0511-5014A
- FIMKO: File FI21555





Dimensions - mm



- Ratings above 4A have a maximum 0.81mm diameter lead
- · With TR2 packaging code, lead wire length is 19.05mm

Ordering

- · Specify packaging code
 - Insert packaging code prefix before part number. E.g. BK (or BK1)/S505-1-R
- · Specify option codes if desired
 - For axial leads, insert "V" between catalog series and amp rating. E.g., BK/S505-V-1-R

					Specific	ations								
	Voltage	Interrupting Rating (amps)	Typical DC Cold	Typical	Typical Voltage									
Part	Rating	@ Rated	Resistance	Pre-arching	Drop	Agency Approvals								
Number	Vac	Vac (50Hz)*	$(\Omega)^{**}$	I ² t AC***	(mV)‡	IMQ	VDE	SEMKO	UL	CCC	PSEJET	CSA	EK	BSI
S505-500-R	250	1500	0.5070	0.188†	295	Х	Х	Х	Х	Х		Х		Х
S505-800-R	250	1500	0.2370	0.632†	189	Х	Х	Х	Х	Х		Х		Х
S505-1-R	250	1500	0.1401	1.28	152.5	Х	Х	Х	Х	Х	Х	Х	Х	Х
S505-1.25-R	250	1500	0.1075	2.22	150	Х	Х	Х	Х	Х	Х	Х	Х	Х
S505-1.6-R	250	1500	0.0700	6.78	125	Х	Х	Х	Х	Х	Х	Х	Х	Х
S505-2-R	250	1500	0.0545	9.60	118.5	Х	Х	Х	Х	Х	Х	Х	Х	Х
S505-2.5-R	250	1500	0.0395	16.60	115	Х	Х	Х	Х	Х	Х	Х	Х	Х
S505-3.15-R	250	1500	0.0305	36.60	102.5	Х	Х	Х	Х	Х	Х	Х	Х	Х
S505-4-R	250	1500	0.0185	38.45†	86.5	Х	Х	Х	Х	Х	Х	Х	Х	Х
S505-5-R	250	1500	0.0131	71.30†	77.5	Х	Х	Х	Х	Х	Х	Х	Х	Х
S505-6.3-R	250	1500	0.0033	197	75	Х	Х	Х	Х	Х	Х	Х	Х	Х
S505-8-R	250	1500	0.0067	311	75	Х	Х	Х	Х		Х	Х	Х	Х
S505-10-R	250	1500	0.0061	397	72	Х	Х	Х	Х		Х	Х	Х	Х
S505-12-R	250	1000	0.0053	713.7†	77		Х		Х					

 * Interrupting ratings (500mA to 10A were measured at 70% to 80% PF on.

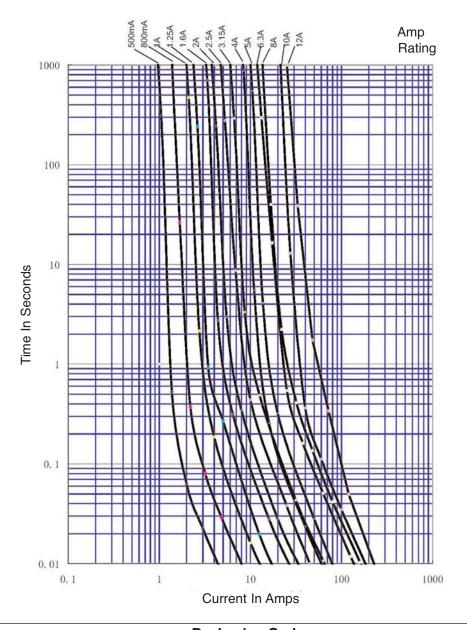
** Typical DC Cold Resistance (Measured At <10% of rated current).

*** Typical Pre-Arching I't (Measured at listed interrupting rating and rated voltage if not specified).

 \dagger The typical $l^2\!t$ value was measured at 10 times of rated current under DC.

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

S505-R(500mA to 12A) Norminal Current Vs. Time Curve



Packaging Code				
Packaging Code 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 overcaps				
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