



## 5mm x 20mm Fuses S505 Series, Time Delay, Ceramic Tube

### **Description**

- Time delay, high breaking capacity
- 5mm x 20mm physical size
- · Ceramic tube, nickel plated brass endcap construction
- Optional axial leads are .032" x 1.5" copper tinned
- Optional sleeve is flexible flouropolymer (Ú.L. flammability rating VW-1).
- Designed to IEC 60127-2-3

ELECTRICAL CHARACTERISTICS								
	1.5 ln	2.1 ln	2.75 ln		4 In		10 ln	
In	min	max	min	max	min	max	min	max
<1A	60 min	30 min	250 ms	80 sec	50 ms	5 sec	5 ms	55 ms
1A-3.15A	60 min	30 min	1 sec	80 sec	95 ms	5 sec	10 ms	100 ms
4A-10A	60 min	30 min	1 sec	80 sec	150 ms	5 sec	20 ms	100 ms

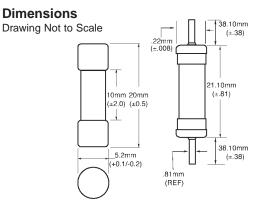
#### **Ordering**

Specify product code, option code and packaging code

#### **Approvals**

- UL Recognized Card: 1A-6.3A (JDYX2, E75865)
- Semko Approval, 1A-6.3A
- VDE Approval, 1.25A-5A
- BSI Approval, 1.25A-6.3A
- IMQ Approval, 1.25A-6.3A
- MITI Approval, 1A-6.3A





SPECIFICATIONS					
Product Code	Voltage Rating AC	Interrupting Rating at Rated Voltage (50Hz) AC	Typical DC Cold Resistance (ohms)*	Typical Melting I²t (A²Sec) AC†	Typical Voltage Drop (mV)‡
S505-500mA	250V	1500A	-	-	-
S505-800mA	250V	1500A	0.243	-	-
S505-1A	250V	1500A	0.117	0.74	170
S505-1.25A	250V	1500A	0.093	1.6	150
S505-1.6A	250V	1500A	0.061	3.5	130
S505-2A	250V	1500A	0.041	7.6	110
S505-2.5A	250V	1500A	0.030	14	100
S505-3.15A	250V	1500A	0.022	27	90
S505-4A	250V	1500A	0.015	52	85
S505-5A	250V	1500A	0.011	98	80
S505-6.3A	250V	1500A	0.008	197	75
S505-8A	250V	1500A	0.007	311	75
S505-10A	250V	1500A	0.006	397	72

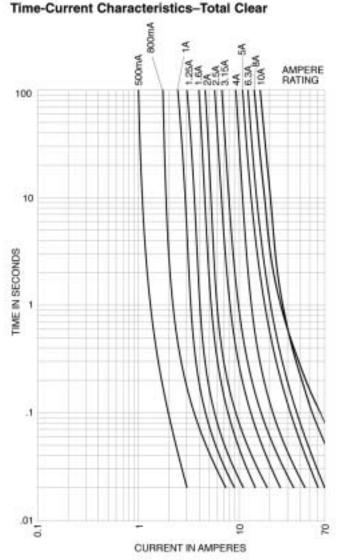
DC Cold Resistance (Measured at <10% of rated current)</li>
Typical Melting I²t (I²t was measured at listed interrupting rating and rated voltage)
Typical Voltage Drop (Voltage drop was measured at 20°C ambient temperature at rated current)





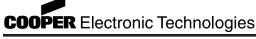
## 5mm x 20mm Fuses S505 Series, Time Delay, Ceramic Tube

# TIME CURRENT CURVE



OPTION CODE		
Option Code	Description	
S	Sealed with a flouropolmer sleeve to withstand aqueous cleaning	
V	Axial leads - copper tinned wire with nickel plated brass overcaps	

PACKAGING CODE				
Packaging Code	Code Description			
BK	100 pieces of fuses packed into a cardboard carton with flaps folded			
BK1	1,000 pieces of fuses packed into a poly bag			
TR2	1,500 pieces of fuses packed into tape on a reel			



OC-2573 7/01

Visit us on the Web at www.cooperET.com

© Cooper Electronic Technologies 2001 3601 Quantum Boulevard Boynton Beach, Florida 33426-8638 Tel: +1-561-752-5000 Toll Free: +1-888-414-2645 Fax: +1-561-742-1178

This bulletin is intended to present product design solutions and technical information that will help the end user with design applications. Cooper Electronic Technologies reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Cooper Electronic Technologies 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.