



5mm x 20mm Fuses

S506 Series, Time Delay, Glass Tube

Description

- Time delay, low breaking capacity
- 5mm x 20mm physical size
- · Glass tube, nickel-plated brass endcap construction
- Optional axial leads are .032" x 1.5" copper tinned
- Designed to IEC 60127-2 (500mA-6.3A)

| S506 ELECTRICAL CHARACTERISTICS | | | | | | | |
|---------------------------------|--------|---------|--------|--------|-------|-------|--------|
| | 2.1 In | 2.75 In | | 4 In | | 10 In | |
| In | max | 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-12.5A | 2 min | 600 ms | 10 sec | 150 ms | 3 sec | 20 ms | 300 ms |

Ordering

• Specify product code, option code and packaging code

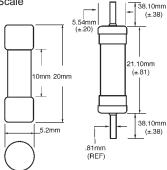
Agency Information

- UL Recognized Card: (1A-6.3A) Guide JDYX2, File E19180
- Semko Approval, 500mA-6.3A
- VDE Approval, 500mA-5A
- BSI Approval, 500mA-6.3A
- IMQ Approval, 800mA-6.3A
- MITI Approval, 1A-6.3A



Dimensions

Drawing Not to Scale



| SPECIFICATIONS | | | | | | |
|----------------|-------------------|--|-------------------------------|---|--------------------|--|
| Product Code | Voltage Rating | Interrupting Rating at Rated Voltage (50Hz) | Typical DC Cold Resistance | Minimum Pre-Arching I ² t | Maximum Voltage | |
| | AC | AC | (ohms)* | (A ² Sec) AC† | Drop (mV)‡ | |
| S506-500mA | 250V | 35A | 0.268 | 0.67 | 190 | |
| S506-630mA | 250V | 35A | 0.191 | 1.0 | 170 | |
| S506-800mA | 250V | 35A | 0.131 | 2.2 | 150 | |
| S506-1A | 250V | 35A | 0.064 | 2.7 | 90 | |
| S506-1.25A | 250V | 35A | 0.046 | 6.7 | 85 | |
| S506-1.6A | 250V | 35A | 0.039 | 9.7 | 85 | |
| S506-2A | 250V | 35A | 0.029 | 15 | 85 | |
| S506-2.5A | 250V | 35A | 0.024 | 25 | 85 | |
| S506-3.15A | 250V | 35A | 0.018 | 51 | 80 | |
| S506-4A | 250V | 35A | 0.013 | 88 | 80 | |
| S506-5A | 250V | 35A | 0.010 | 150 | 75 | |
| S506-6.3A | 250V | 35A | 0.009 | 214 | 75 | |
| S506-8A | 250V | 35A | 0.007 | 192 | 80 | |
| S506-10A | 250V | 35A | 0.005 | 420 | 75 | |
| S506-12.5A | 250V | 35A | 0.004 | 812 | 75 | |

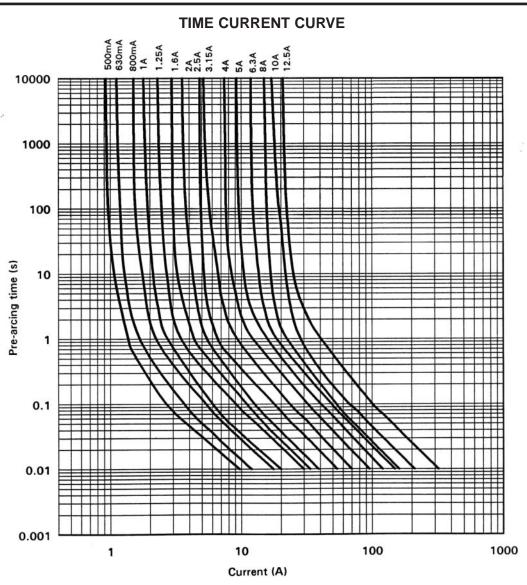
† ‡

DC Cold Resistance (Measured at <10% of rated current) Minimum Pre-Arching I²t (Measured at 10 In and rated voltage) Maximum Voltage Drop (Voltage drop was measured at 20°C ambient temperature at rated current)



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| OPTION CODE | | | | |
|-------------|--|--|--|--|
| Option Code | Description | | | |
| V | Axial leads - copper tinned wire with nickel plated brass overcaps | | | |
| | | | | |

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

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OC-2574 5/03

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