

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



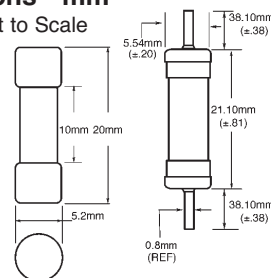
| S506 Electrical Characteristics | | | | | | | |
|---------------------------------|---------------|------------|--------|---------|-------|----------|--------|
| I_n | 2.1 I_n max | 2.75 I_n | | 4 I_n | | 10 I_n | |
| | | min | max | min | max | min | max |
| 32mA-100mA | 2 min | 200 ms | 10 sec | 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

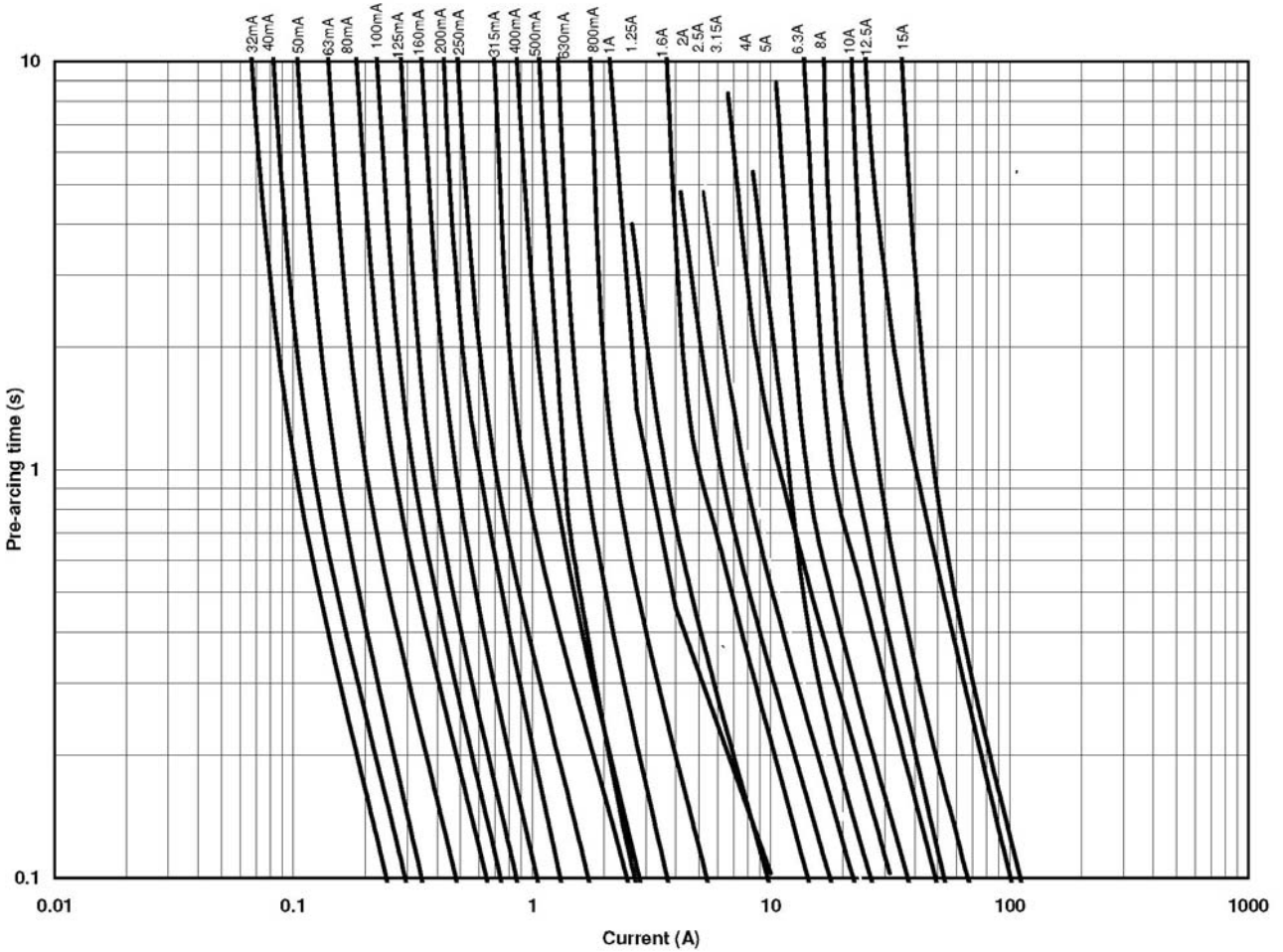
- For axial leads, insert "V" between catalog series and amp rating. E.g. BK/S506-V-2-R

| 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 |

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