

ANTREX Electronics

Electronic Components Sourcing Information

Product Reference Information

Part Number: BK8/S506-4-R

Manufacturer: Eaton - Electronics Division

Package: Bulk

Availability: Please confirm with sales

Product Page:

<https://antrexco.com/product/details/eaton-electronics-division/bk8-s506-4-r.html>

Request a Quote:

[Submit RFQ for this part](#)



Scan for product page

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Quality & Trust

New & Original Components

Supplier verification and packaging condition review

CoC / RoHS / REACH documents available on request

Secure sourcing support for OEM / EMS projects

Note:

This PDF includes an ANTREX product reference cover page.

The original manufacturer datasheet follows from the next page.

Description

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



S506 ELECTRICAL CHARACTERISTICS							
In	2.1 In max	min	2.75 In max	min	4 In max	min	10 In 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

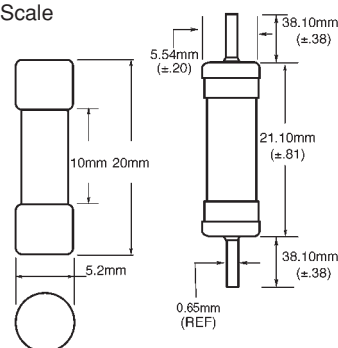
- UL Recognized Card: (32mA-15A) Guide JDYX2, File E19180
- CSA Component Acceptance: File 53787
- cURus Recognition: Guide JDYX8, File E19180
- SEMKO Approval, 32mA-10A
- VDE Approval, 32mA-10A
- BSI Approval, 32mA-10A
- IMQ Approval, 32mA-10A
- MITI Approval, 32mA-6.3A
- CCC Approval, 32mA-6.3A

Ordering

- Specify packaging, product, and option code
- For -R option, drop mA or A from product code (i.e. S506-2-R)

Dimensions

Drawing Not to Scale



- Ratings above 6.3A have a 0.8mm diameter lead
- With TR2 packaging code, lead wire length is 19.05mm

SPECIFICATIONS

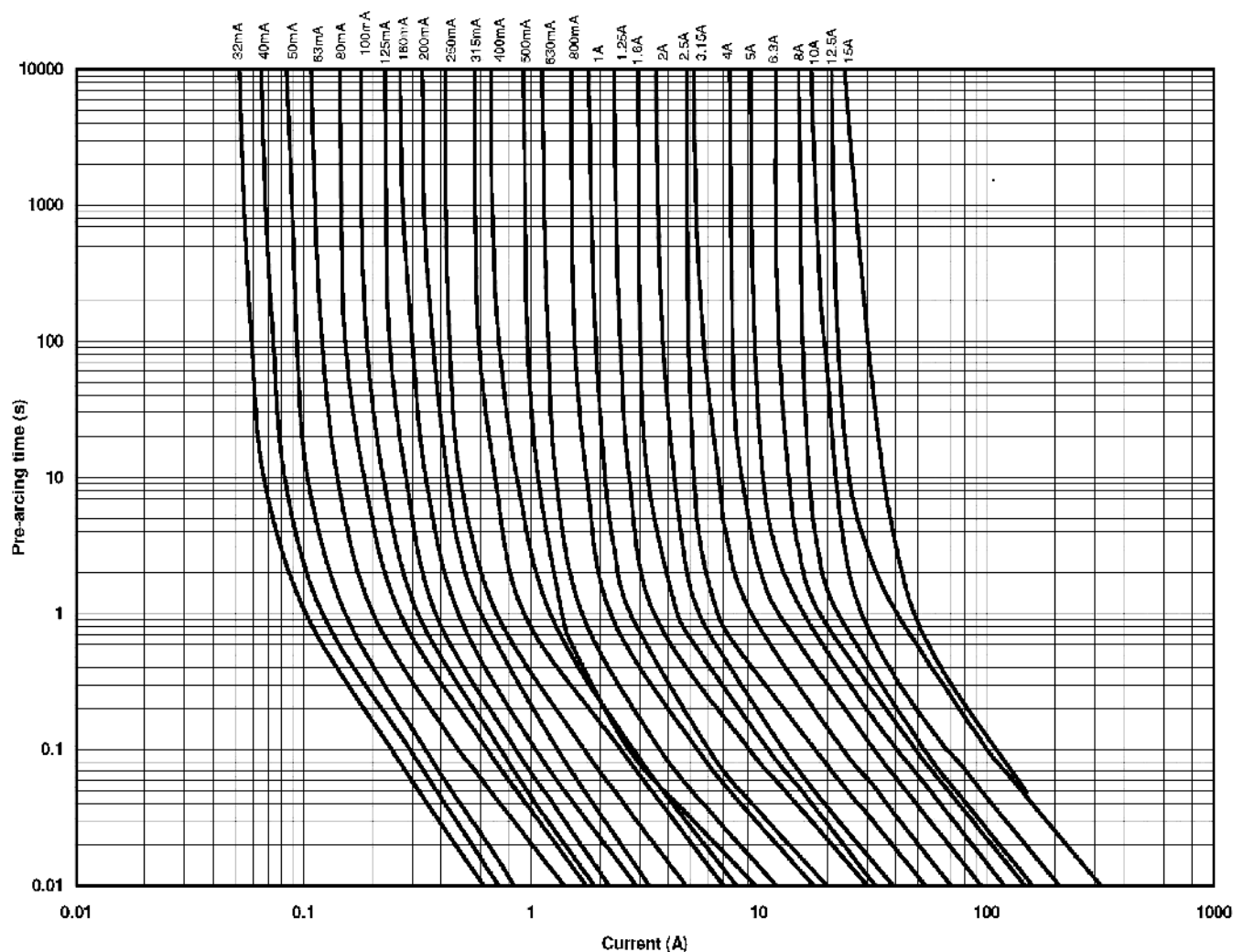
Product Code	Voltage Rating AC	Interrupting Rating at Rated Voltage (50Hz) AC	Typical DC Cold Resistance (ohms)*	Minimum Pre-Arching I ² t (A ² Sec) AC†	Typical Voltage Drop (mV)‡
S506-32mA	250V	35A	21.0	0.0014	1050
S506-40mA	250V	35A	13.90	0.0034	920
S506-50mA	250V	35A	9.24	0.006	800
S506-63mA	250V	35A	6.96	0.012	760
S506-80mA	250V	35A	4.42	0.015	580
S506-100mA	250V	35A	2.74	0.022	490
S506-125mA	250V	35A	1.97	0.034	390
S506-160mA	250V	35A	1.27	0.052	320
S506-200mA	250V	35A	1.00	0.078	340
S506-250mA	250V	35A	0.640	0.17	270
S506-315mA	250V	35A	0.450	0.41	250
S506-400mA	250V	35A	0.308	0.61	210
S506-500mA	250V	35A	0.183	0.67	140
S506-630mA	250V	35A	0.186	1.0	150
S506-800mA	250V	35A	0.128	2.2	75
S506-1A	250V	35A	0.062	2.7	80
S506-1.25A	250V	35A	0.045	6.7	70
S506-1.6A	250V	35A	0.038	9.7	70
S506-2A	250V	35A	0.028	15	68
S506-2.5A	250V	35A	0.023	25	68
S506-3.15A	250V	35A	0.017	51	66
S506-4A	250V	40A	0.012	88	66
S506-5A	250V	50A	0.008	150	66
S506-6.3A	250V	63A	0.008	214	60
S506-8A	250V	80A	0.006	192	55
S506-10A	250V	100A	0.004	420	54
S506-12.5A	250V	125A	0.004	812	45
S506-15A	250V	125A	0.004	1029	73

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

† Minimum Pre-Arching I²t (Measured at 10 In and rated voltage)

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

TIME CURRENT CURVE



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 (19.05mm lead wire length)

OPTION CODE

Option Code	Description
V	Axial leads - copper tinned wire with nickel plated brass overcaps
-R	RoHS compliant version

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