S504

5 mm x 20 mm Time-delay glass tube fuses

Product features

- Time delay, low breaking capacity
- 5 mm x 20 mm physical size
- Glass tube, nickel-plated brass endcap construction
- Optional axial leads are .032" x 1.5" copper tinned
- Designed to IEC 60127-2 (50 mA - 6.3 A)

Ordering

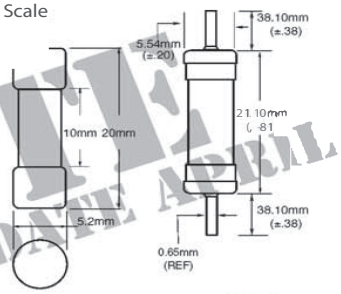
- Specify product code, option code and packaging code

Agency information

- UL Recognized Card: (32 mA-3.15 A) Guide JDYX2, File E19180
- Semko Approval, 32 mA-6.3 A
- VOE Approval, 32 mA-5 A
- BSI Approval, 32 mA-6.3 A
- IMQ Approval, 32 mA-6.3 A
- MITI Approval, 1 A-6.3 A

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

OBSOLETE
JUNE 30, 2009 (LAST ORDER DATE APRIL 30, 2009)
RECOMMENDED REPLACEMENT S506 SERIES

SPECIFICATIONS

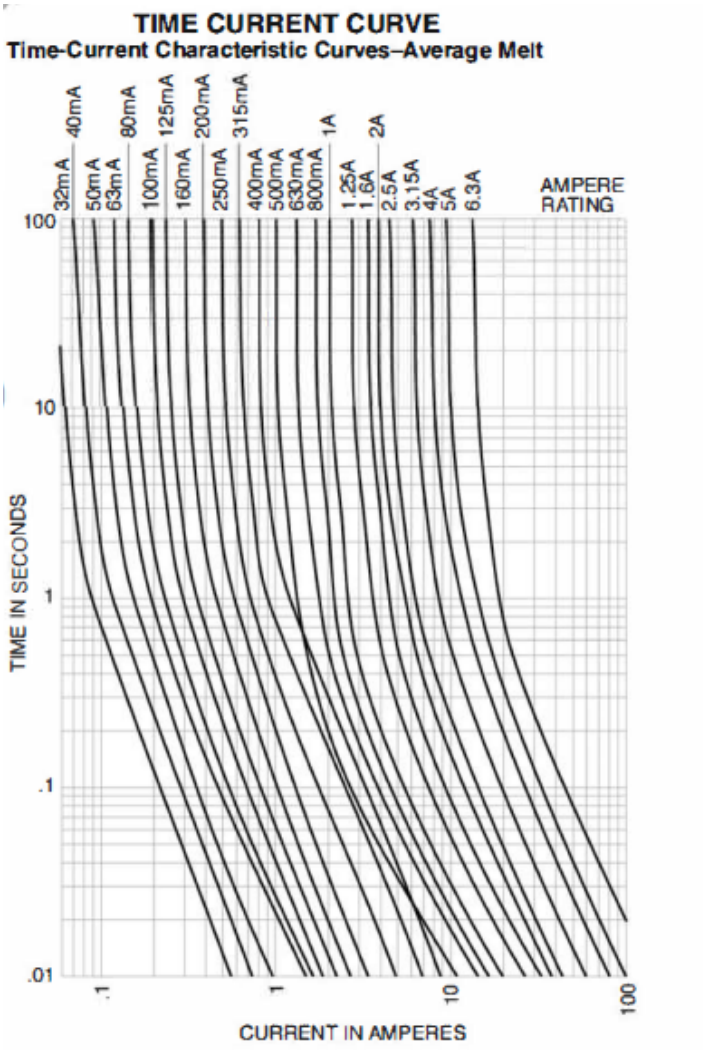
Product Code	Voltage Rating AC	Interrupting Rating at Rated Voltage (50Hz) AC	Typical DC Cold Resistance (ohms)*	Typical Melting I²t (A²Sec) AC†	Typical Voltage Drop mV ‡
S504-32mA	250V	35A	21.7	0.0014	1050
S504-40mA	250V	35A	14.2	0.0034	920
S504-50mA	250V	35A	9.5	0.006	800
S504-63mA	250V	35A	7.1	0.012	760
S504-80mA	250V	35A	4.5	0.015	580
S504-100mA	250V	35A	2.8	0.022	490
S504-125mA	250V	35A	2.0	0.034	390
S504-160mA	250V	35A	1.3	0.052	320
S504-200mA	250V	35A	1.0	0.078	340
S504-250mA	250V	35A	0.66	0.17	270
S504-315mA	250V	35A	0.46	0.41	250
S504-400mA	250V	35A	0.37	0.61	210
S504-500mA	250V	35A	0.27	0.75	168
S504-630mA	250V	35A	0.19	1.3	158
S504-800mA	250V	35A	0.13	3.1	132
S504-1A	250V	35A	0.064	3.6	85
S504-1.25A	250V	35A	0.046	7	80
S504-1.6A	250V	35A	0.039	10	80
S504-2A	250V	35A	0.029	17	80
S504-2.5A	250V	35A	0.024	34	80
S504-3.15A	250V	35A	0.018	56	75
S504-4A	250V	35A	0.013	91	75
S504-5A	250V	35A	0.0095	133	75
S504-6.3A	250V	35A	0.0085	270	65

* DC Cold Resistance (Measured at <10% of rated current)
† Typical Melting I²t (I²t was measured at listed interrupting rating and rated voltage)
‡ Maximum Voltage Drop (Voltage drop was measured at 20°c ambient temperature at rated current)

OBSOLETE

JUNE 30, 2009
(LAST ORDER DATE
APRIL 30, 2009)

RECOMMENDED
REPLACEMENT
S506 SERIES



OPTION CODE	
OptionCode	Description
V	Axial leads - coooer tinned wire with nickel plated brass overcaps

PACKAGING CODE	
PackagingCode	Description
BK	100 oieces of fuses oacked into a cardboard carton
BK1	1,000 pieces of fuses packed into a poly baq
TR2	1,500 pieces of fuses oacked into taoe on a reel (19.05mm lead wire lenoth)

Life Support Policy: Eaton does not authorize the use of any of its products for use in life support devices or systems without the express written approval of an officer of the Company. Life support systems are devices which support or sustain life, and whose failure to perform, when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in significant injury to the user.

Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin.

Eaton
Electronics Division
1000 Eaton Boulevard
Cleveland, OH 44122
United States
www.eaton.com/electronics

© 2017 Eaton
All Rights Reserved
Printed in USA
Publication No. 2036
August 2017

Eaton is a registered trademark.

All other trademarks are property of their respective owners.

Powering Business Worldwide

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Eaton:

BK-S504-6-3A BK-S504-100MA BK-S504-1-25A BK-S504-125MA BK-S504-160MA BK-S504-1-6A BK-S504-1A BK-S504-200MA BK-S504-250MA BK-S504-2-5A BK-S504-2A BK-S504-3-15A BK-S504-315MA BK-S504-32MA BK-S504-400MA BK-S504-40MA BK-S504-4A BK-S504-500MA BK-S504-50MA BK-S504-5A BK-S504-630MA BK-S504-63MA BK-S504-800MA BK-S504-80MA