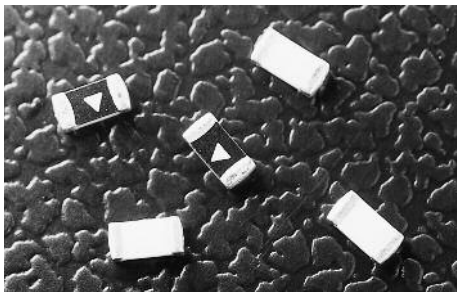
3216LV

Fast-acting Line-voltage Chip™ surface mount fuse

RoHS



Product features

- Surface mount fuse, fast acting, 125 Vac
- Utilize thick and thin metal film technologies for superior fusing action and enhanced reliability.
- Moisture sensitivty level (MSL): 1

Agency information

- UL Recognition guide & File numbers: JDYX2 & E19180.
- CSA component acceptance: 053787 C 000 & Class No: 1422 30, 1422 01

General specifications

- Operating temperature range: -55 °C to +125 °C, with proper derating
- Thermal shock: MIL-STD-202, Method 107, Test Condition B (-65 °C to +125 °C)
- Vibration: MIL-STD-202, Method 204, Test Condition C (55 Hz to 2000 HZ, 10 G)
- Moisture resistance: MIL-STD-202, Method 106, 10 day cycle
- Solderability: ANSI/J-STD-002, Test B, Solder dip and look
- Resistance to solder heat: MIL-STD-202G Method 210F Condition A. (Solder iron + 350 +10 °C, 5s)

Soldering method

- Wave immersion: +260 °C, 10 sec max.
- Infrared reflow: +260 °C, 30 sec max.

Ordering

- Specify packaging prefix and part number (i.e., TR-3216LV1-R)

ELECTRICAL CHARACTERISTICS	
% of Amp Rating	Opening Time
100%	4 hours minimum
250%	5 seconds maximum

SPECIFICATIONS							
Part number	Current rating (A)	Voltage rating Vac/dc	Interrupting rating @ 125 Vac/dc (A)	Typical melting integral @ 10X rated current (A^2 sec) AC	DC	Typical resistance @ ≤ 10% rated current (Ω)	Typical voltage drop @ rated current (V)
3216LV250-R	250 mA	125	50	0.00016	0.000084	3.5	1.4
3216LV375-R	375 mA	125	50	0.001	0.0002	1.75	0.73
3216LV500-R	500 mA	125	50	0.0014	0.0019	0.98	0.66
3216LV750-R	750 mA	125	50	0.0033	0.00950	0.54	0.63
3216LV1-R	1	125	50	0.020	0.0084	0.345	0.63
3216LV1.25-R	1.25	125	50	0.035	0.021	0.255	0.62
3216LV1.5-R	1.5	125	50	0.038	0.024	0.165	0.49

Notes:
1. AC interrupting rating (Measured at rated voltage with a unity power factor)
2. DC interrupting rating, (Measured at rated voltage, time constant of less than 50 microseconds, battery source)
3. Voltage drop measured at rated current after temperature stabilizes at 23 ± 3 °C
4. Typical melting I^2t (Measured with a battery bank at rated voltage and 50 A current, time constant of calibrated circuit less than 50 microseconds)
5. It is recommended that fuses be mounted with ceramic (white) side facing up
6. Device designed to carry rated current for four hours minimum. An operating current of 80% or less of rated current is recommended, with further derating required at elevated ambient temperatures

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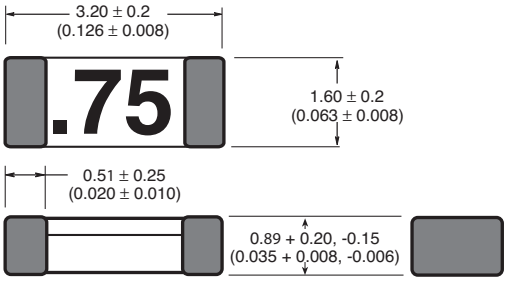
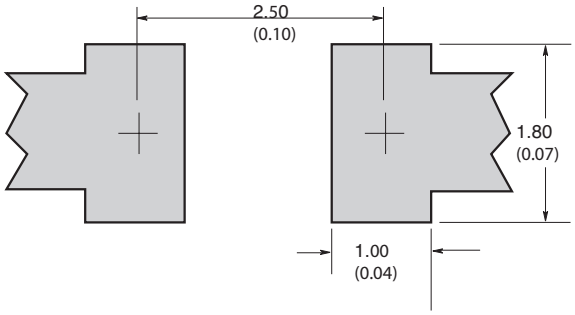
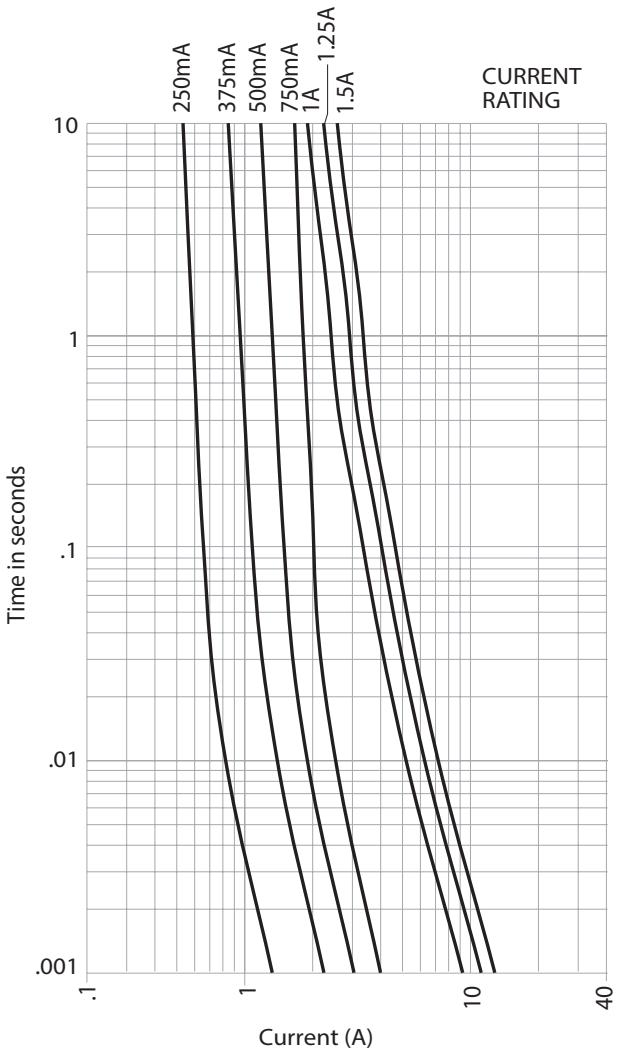
Dimensions- mm (inches)
Drawing not to scale



Land pattern- mm (inches)



Time current curve



Packaging code	
Packaging code	Description
TR-	3000 fuses on 8 mm tape-and-reel on a 7 inch (178 mm) reel per EIA Standard 481

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