

3216LV Series, Fast Acting, Line Voltage

Description

- Surface mount fuse, fast acting, 125Vac
- Utilize thick and thin metal film technologies for superior fusing action and enhanced reliability.

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

Agency Information

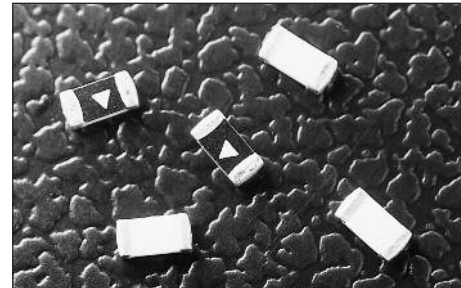
- UL Recognition Guide & File numbers: JDYX2 & E19180.
- CSA Component Acceptance: 053787 C 000 & Class No: 1422 30.

Environmental Data

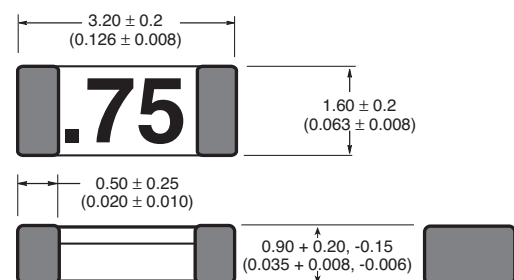
- Operating Temperature Range: -65 to +125°C, with proper derating
- Thermal Shock: MIL-STD-202, Method 107, Test Condition B (-65 to 125°C), 1000 cycles, fuses soldered to FR-4 glass-epoxy circuit board
- Vibration: MIL-STD-202, Method 204, Test Condition C (55 to 2000 HZ, 10G)
- Solderability: Withstands 60 seconds above 200°C, 260°C maximum
- Moisture Resistance: MIL-STD-202, Method 106, 10 day cycle
- Solder Leach Resistance & Terminal Adhesion: EIA-576 (30 seconds submersion in 260°C tin-lead solder)

Ordering

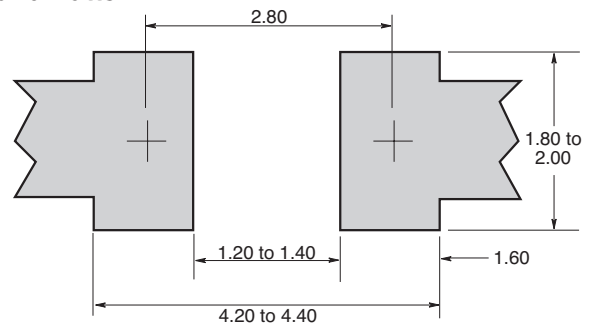
- Specify packaging and product code (i.e. TR/3216LV1-R)



Dimensions mm/(inches)
Drawing Not to Scale



Land Pattern



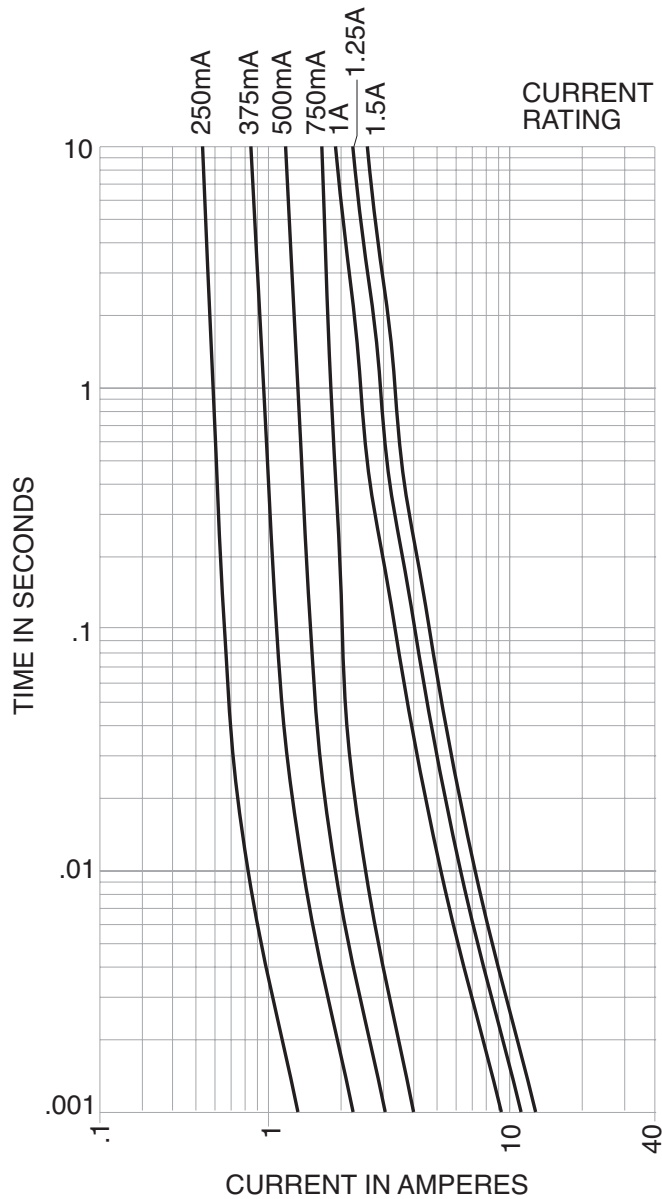
SPECIFICATIONS

Part Part Number	Current Rating (Amps) (Amps)	Voltage Rating Vac/dc Vac/dc	Interrupting Rating @125Vac/dc (amps)	Typical Melting Integral @ 10X Rated Current (A² * sec)		Typ. Resistance @ ≤ 10% Rated Current (Ω)	Typ. Voltage Drop @ Rated Current (Volts)
				AC	DC		
3216LV250-R	250mA	125	50	0.00016	0.000084	4.5	1.4
3216LV375-R	375mA	125	50	0.001	0.0002	1.80	0.73
3216LV750-R	750mA	125	50	0.0033	0.00379	0.75	0.63
3216LV1-R	1	125	50	0.020	0.0084	0.52	0.63
3216LV1.25-R	1.25	125	50	0.035	0.021	0.40	0.62
3216LV1.5-R	1.5	125	50	0.038	0.024	0.26	0.49

Notes:

1. AC interrupting rating, melting integral and total clearing integral measured at 125V, unity power factor
2. DC interrupting rating, melting integral and total clearing integral measured at 125V with a battery source
3. Voltage drop measured at 23 ± 3°C ambient temperature with the device mounted on a suitable circuit board trace
4. It is recommended that fuses be mounted with ceramic (white) side facing up
5. 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

TIME CURRENT CURVE



PACKAGING CODE

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

OC-2541 Rev. A 0514

North America
 Eaton
 1225 Broken Sound Parkway
 NW Suite F Boca Raton, FL
 33487-3533 Tel: 1-561-998-4100
 Fax: 1-561-241-6640
 Toll Free: 1-888-414-2645

Eaton
 P.O. Box 14460
 St. Louis, MO
 63178-4460 Tel:
 1-636-394-2877 Fax:
 1-636-527-1607

Europe
 Eaton
 Cooper (UK) Limited
 Burton-on-the-Wolds
 Leicestershire • LE12 5TH UK
 Tel: +44 (0) 1509 882 737 Fax:
 +44 (0) 1509 882 786

Eaton
 Avda. Santa Eulalia, 290 08223
 Terrassa, (Barcelona), Spain
 Tel: +34 937 362 812
 +34 937 362 813
 Fax: +34 937 362 719

Asia Pacific
 Eaton
 1 Jalan Kilang Timor
 #06-01 Pacific Tech Centre
 Singapore 159303
 Tel: +65 278 6151
 Fax: +65 270 4160